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Analyses of Commercial Fertilizers

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BULLETIN NO. 276

Analyses of Commercial Fertilizers

By H. E. CURTIS, H. R. ALLEN AND LELAH GAULT

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1926, the names of the manufacturers, and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agent, and such literature as bears on the subject in which they are interested will be furnished. Bulletins Nos. 228 and 272 of the Experiment Station, showing the results obtained on the soil experiment fields, are of special interest to all users of fertilizers.

Samples Analyzed.

There were registered during the year a total of 820 brands of fertilizer as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	497 brands
Nitrogenous superphosphates	56 brands
Acid phosphate and potash mixtures	76 brands
Acid phosphates	120 brands
Bones, tankage, etc	54 brands
Nitrate of soda	6 brands
Ammonium sulfate	4 brands
Potash salts	7 brands

We have analyzed 794 samples of fertilizer collected by our inspectors or sent in by various persons of the State, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups—The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom in the past, we have shown an index of relative value for the purpose of comparison. The following factors have been used in computing these values:

Available phosphoric acid in mixed fertilizers	1.5
Available phosphoric acid in acid phosphates	1.2
Insoluble phosphoric acid in complete fertilizers	0.4
Insoluble phosphoric acid in nitrogenous superphosphates	0.4
Phosphoric acid in bone	1.0
Nitrogen in all fertilizers	4.0
Potash from muriate	1.2
Potash from sulfate	1.5

Explanation of the Tables.

In the tables of analyses, following the name of each brand will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturers, and the manufacturer's guaranty, printed last in italic figures. In Table II the figures set in bold face type are those results which are considered too low to be acceptable. In a number of cases the same brand of fertilizer will be found in both Tables, I and II—in which case they are marked in each table with a (†) dagger.

In Table I there are a number of analyses that, notwithstanding they are considered good enough to be placed in Table I, have objectionable features to which we desire to call attention: There are quite a number of cases where the potash is guaranteed from sulfate and the analyses made of some of these brands show the potash to be from muriate, no sulfate whatever having been used. Several companies have too many analyses of this class.

It will be noticed in Table II that quite a number of analyses have been put into this table on account of the deficiency in total phosphoric acid. This comes from attempting to show a large amount of insoluble phosphoric acid in addition to the guaranty of available phosphoric acid, and, on account of this tendency to show a larger percent of insoluble phosphoric acid than the goods contain, it has been deemed advisable to classify them among the deficient brands of fertilizer, hoping in this manner to induce the manufacturer to change these larger guarantees of 4% or 5% insoluble phosphoric acid to 1% or 2%.



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TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69575	A. D. Adair and McCarty Bros., Inc., Atlanta, Ga., and Chattanooga, Tenn. A. and M. Old Reliable Fertilizer..	Manufacturer Guaranteed
69576	Adair's Soluble Pacific Guano.....	Manufacturer Guaranteed
69577	A. and M. Old Glory Mixture.....	Manufacturer Guaranteed
69578	A. and M. High Grade Tobacco Grower	Manufacturer Guaranteed
69579	A. and M. Special Tobacco and Potato Grower	Manufacturer Guaranteed
69580	A. and M. Standard Tobacco Grower	Manufacturer Guaranteed
69581	A. and M. High Grade Potash Compound	Manufacturer Guaranteed
69582	A. and M. High Grade Acid Phosphate No. 18	Manufacturer Guaranteed
69583	A. and M. High Grade Acid Phosphate No. 16	Manufacturer Guaranteed
69584	Nitrate of Soda	Manufacturer Guaranteed
69585	Muriate of Potash	Manufacturer Guaranteed
90174	Alabama Chemical Co., (of Ala.), Montgomery, Ala. Red Cross Acid Phosphate	Manufacturer Guaranteed
90175	Red Cross Tobacco Special.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.40 10.00	1.00	11.40			1.94	2.37 2.47	2.88 3.00	3.33 3.00		29.5 28.5	69575
10.40 10.00	0.95	11.35			1.36	1.72 1.65	2.09 2.00	2.45 2.00		25.8 24.0	69576
8.60 9.00	1.00	9.60			1.03	1.71 1.65	2.08 2.00	4.26 3.00		25.3 23.7	69577
8.35 8.00	0.50	8.85			1.96	2.51 2.47	3.05 3.00	0.76 5.00	4.67 5.00	30.7 29.4	69578
9.80 8.00	0.80	10.60			1.69	2.26 1.65	2.74 2.00	4.37 4.00		29.3 23.4	69579
8.30 8.00	0.80	9.10			1.18	1.67 1.65	2.03 2.00	2.48 2.00		22.4 21.0	69580
10.90 10.00	2.20	13.10						4.24 4.00		21.4 19.8	69581
19.60 18.00	0.30	19.90								23.5 21.6	69582
17.50 16.00	0.60	18.10								21.0 19.2	69583
						15.80 14.83	19.18 18.00			63.2 59.3	69584
								52.56 50.00		63.1 60.0	69585
16.75 16.00	0.35 0.50	17.10 16.50								20.1 19.2	90174
9.60 10.00	1.25 1.00	10.85 11.00			1.74	2.53 2.47	3.07 3.00	3.37 3.00		29.1 28.9	90175

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90176	Alabama Chemical Co., (of Ala.), Montgomery, Ala.—Con. Cayce's Tobacco Formula	Manufacturer Guaranteed
90802	Red Cross Acid and Potash	Manufacturer Guaranteed
90203 90204 90433 90852 90853	The American Agricultural Chem. Co., Inc., Cincinnati, O. A. A. Basic Lime Phosphate	R. A. Mayhew Feed Co., Franklin..... Hoy McClure, Woodmont..... Vine Grove Feed Co., Leitchfield..... Lebanon Carriage and Impl. Co., Lebanon H. D. Jones, Glasgow..... Guaranteed
69501	A. A. Paramount Fertilizer	Manufacturer Guaranteed
69502	A. A. High Grade Tobacco Grower	Manufacturer Guaranteed
90205 90434	A. A. Corn and Cotton Grower.....	John R. Nelson, Eubank..... Mack Toms, Caneyville..... Guaranteed
69504	A. A. High Potash Tobacco Grower	Manufacturer Guaranteed
90435	A. A. Tobacco and Truck Fertilizer	Lynch and Willis, Leitchfield..... Guaranteed
90206 90436 90437 90438	A. A. Ky. Tobacco Grower.....	Hoy McClure, Woodmont..... Norris and Norment Co., Henderson..... Pollard Bros., Cropper..... Geo. L. Gillum and Son, Russellville..... Guaranteed
90439	A. A. Sure Crop Fertilizer.....	Lynch and Willis, Leitchfield..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.60 8.00	1.35 1.00	9.95 9.00			1.67	2.49 2.47	3.02 3.00	1.64	3.75 6.00	31.0 31.3	90176
10.70 10.00	0.40 1.00	11.11 11.00						3.79 4.00		20.6 19.8	90802
13.70 13.30 13.50 13.70 14.00 13.00	0.85 1.00 1.10 1.80 2.20	14.55 14.30 14.60 15.50 16.20								16.4 16.0 16.2 16.4 16.8 15.6	90203 90204 90433 90852 90853
8.50 8.00	1.00 2.00	9.50 10.00			2.44	2.44 2.47	2.96 3.00	0.96	5.04 6.00	31.6 31.7	69501
10.40 10.00	1.10 2.00	11.50 12.00			2.15	2.47 2.47	3.00 3.00		3.10 3.00	30.6 30.2	69502
13.75 14.05 12.00	1.75 1.50 2.00	15.50 15.55 14.00			1.62 1.44	1.89 1.76 1.65	2.29 2.14 2.00	2.29 4.95 2.00		31.6 34.7 27.8	90205 90434
9.30 8.00	0.80 2.00	10.10 10.00			1.31	1.69 1.65	2.05 2.00	9.93 10.00		33.0 31.4	69504
10.30 8.00	2.20 2.00	12.50 10.00			1.44	1.78 1.65	2.16 2.00	0.64	4.22 5.00	30.6 26.9	90435
10.85 11.70 11.70 11.35 10.00	1.50 0.70 0.75 1.20 2.00	12.35 12.40 12.45 12.55 12.00			1.52 1.53 1.47 1.49	1.73 1.73 1.67 1.73 1.65	2.10 2.10 2.03 2.10 2.00	2.16 2.08 2.31 2.20 2.00		26.4 26.8 27.3 27.1 24.8	90206 90436 90437 90438
9.10 8.00	0.80 2.00	9.90 10.00			0.89	0.89 0.82	1.08 1.00	3.60 4.00	0.57	22.7 20.9	90439

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69508	The American Agricultural Chem. Co., Inc., Cincinnati, O.—Con. A. A. Apex Mixture.....	Manufacturer Guaranteed
90854	A. A. 20% Acid Phosphate.....	Mack Toms, Caneyville..... Guaranteed
90207 90855	A. A. 16% Acid Phosphate.....	H. D. Jones, Glasgow Mack Toms, Caneyville..... Guaranteed
90440 90441 90856 90857	A. A. Ground Bone.....	S. L. Cummins, Crab Orchard..... Woodson Lewis and Son, Greensburg... Burks and Conner, Upton..... E. S. Ferrill and Sons, Buffalo..... Guaranteed
90442 90443	Bowker's Paramount Fertilizer....	J. A. Logan, Christiansburg..... Hill-Lawson Co., Middlesboro..... Guaranteed
90444 90445	Bowker's High Grade Tobacco Grower	J. A. Logan, Christiansburg..... Jones Bros., Greenville..... Guaranteed
90209	Bowker's High Potash Tobacco Grower	Gooch and Payne, Eubank..... Guaranteed
90448	Bowker's Tobacco Grower.....	J. A. Logan, Christiansburg..... Guaranteed
90210 90858	Bowker's Harvest Queen Fertilizer	Gooch and Payne, Eubank..... Estes and Hines, Science Hill..... Guaranteed
69517	Bowker's Apex Mixture.....	Manufacturer Guaranteed
90449	Bowker's 20% Acid Phosphate.....	Bokhara Seed Co., Falmouth..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
14.35 14.00	1.85	16.20						2.12 4.00	2.25	27.5 25.8	69508
20.70 20.00	1.80	22.50								24.8 24.0	90854
16.65 17.35 16.00	0.85 2.05	17.50 19.40								20.0 20.8 19.2	90207 90855
		29.45 30.55 30.50 30.20 27.00	86 64 81 84	14 36 19 16		1.73 1.54 1.63 1.65 1.65	2.10 1.87 1.98 2.00 2.00			36.4 36.7 37.0 36.8 33.6	90440 90441 90856 90857
9.00 8.00 8.00	1.50 1.90 2.00	10.50 9.90 10.00			2.06 2.04	2.37 2.38 2.47	2.88 2.89 3.00	1.08 1.64	4.80 4.43 6.00	32.1 30.9 31.7	90442 90443
9.90 11.35 10.00	2.00 0.80 2.00	11.90 12.15 12.00			2.27 2.29	2.59 2.50 2.47	3.14 3.04 3.00		3.06 3.08 3.00	30.6 32.0 30.2	90444 90445
9.20 8.00	1.50 2.00	10.70 10.00			1.42	1.66 1.65	2.02 2.00	10.11 10.00		33.2 31.4	90209
9.70 8.00	2.10 2.00	11.80 10.00			1.33	1.74 1.65	2.11 2.00		4.87 5.00	29.7 26.9	90448
9.15 8.40 8.00	1.00 2.00 2.00	10.15 10.40 10.00			0.89 0.67	0.89 0.89 0.82	1.08 1.08 1.00	4.07 3.64 4.00	0.68	22.6 22.4 20.9	90210 90858
14.35 14.00	1.85	16.20						2.12 4.00	2.25	27.5 25.8	69517
21.85 20.00	2.15	24.00								26.2 24.0	90449

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90450 90451 90452 90859 90860	The American Agricultural Chem. Co., Inc., Cincinnati, O.—Con. Bowker's 16% Acid Phosphate.....	Jones Bros., Greenville..... Bokhara Seed Co., Falmouth..... B. W. Cowherd, Gracey..... Estes and Hines, Science Hill..... Mayhew Feed Co., Franklin..... Guaranteed
90211 90453 90454	†Michigan Carbon Paramount Fertilizer	Burks Bros., Upton..... Bedford and Tuttle, Winchester..... Conner Hayden Co., Bardstown..... Guaranteed
90213 90214 90455 90456 90457	Michigan Carbon Homestead Tobacco Grower	Cayce-Yost Co., Hopkinsville..... Burk Bros., Upton..... Lebanon Carriage and Impl. Co., Lebanon Pollard Bros., Cropper..... Bedford and Tuttle, Winchester..... Guaranteed
90215 90216 90458 90861 90862	†Michigan Carbon Homestead Bone Black Fert.	Albert Long, Scottsville..... E. S. Ferrill and Sons, Buffalo..... S. L. Cummins, Crab Orchard..... J. W. Schoolcraft, Somerset..... Albert Long, Scottsville..... Guaranteed
90218 90460	†Michigan Carbon Homestead High Potash Tobacco Gr.	Cayce-Yost Co., Hopkinsville..... Greenup Milling Co., Grayson..... Guaranteed
90219 90220 90461 90463	†Michigan Carbon Homestead Potato and Tobacco Spl.	Yopp Seed Co., Paducah..... Albert Long, Scottsville..... H. L. Sparks and Co., N. Pleasureville.... Conner Hayden Co., Bardstown..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
16.85	0.80	17.65								20.2	90450
16.80	1.00	17.80								20.2	90451
16.85	0.95	17.80								20.2	90452
17.00	2.20	19.20								20.4	90859
16.30	2.30	18.60								19.6	90860
16.00										19.2	
8.90	2.00	10.90			2.06	2.47	3.00	0.84	4.51	31.8	90211
8.60	1.30	9.90			2.18	2.50	3.04	0.76	4.71	31.4	90453
8.40	1.10	9.50			2.10	2.41	2.93	1.12	4.73	31.5	90454
8.00	2.00	10.00				2.47	3.00		6.00	31.7	
10.25	2.05	12.30			2.20	2.54	3.08	0.76	2.71	31.3	90213
11.30	0.70	12.00			2.17	2.52	3.06		3.32	32.3	90214
9.95	2.00	11.95			2.13	2.50	3.04		3.10	30.4	90455
9.95	2.45	12.40			2.08	2.42	2.94	0.80	2.74	30.7	90456
11.50	2.90	14.40			2.07	2.44	2.96	2.96		31.7	90457
10.00	2.00	12.00				2.47	3.00		3.00	30.2	
8.40	1.80	10.20			1.61	1.92	2.33	1.44	0.52	23.5	90215
8.10	1.65	9.75			1.76	2.04	2.48	1.49		22.8	90216
7.90	1.70	9.60			1.69	2.03	2.46	1.54		22.5	90458
8.25	1.80	10.05			1.47	1.89	2.29	0.88	0.79	22.9	90861
7.90	2.30	10.20			1.59	1.99	2.42	1.08	0.75	23.2	90862
8.00	2.00	10.00				2.06	2.50	1.50		22.8	
9.15	0.85	10.00			1.60	1.60	1.94	9.86		32.3	90218
8.50	0.80	9.30			1.60	1.60	1.94	9.60		31.0	90460
8.00	2.00	10.00				1.65	2.00	10.00		31.4	
9.20	1.25	10.45			1.41	1.61	1.95	1.08	3.93	28.1	90219
8.95	1.40	10.35			1.52	1.74	2.11	1.48	4.12	28.9	90220
9.00	1.20	10.20			1.45	1.70	2.06	1.60	4.24	29.1	90461
10.35	1.70	12.05			1.48	1.77	2.15	1.16	3.63	30.1	90463
8.00	2.00	10.00				1.65	2.00		5.00	26.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90221	The American Agricultural Chem. Co., Inc., Cincinnati, O.—Con. Michigan Carbon Red Line Complete Manure	J. W. Schoolcraft, Somerset..... Skaggs and Carver, Horse Cave..... Cayce-Yost Co, Hopkinsville..... S. L. Cummins, Crab Orchard..... J. W. Schoolcraft, Somerset..... Burks and Conner, Upton..... Guaranteed
90222		
90223		
90464		
90864		
90865		
69526	Michigan Carbon Apex Mixture...	Manufacturer
		Guaranteed
90224	Michigan Carbon 20% Acid Phosphate	W. T. Nunn, Horse Cave..... Clem Keltner, Campbellsville..... Guaranteed
90866		
90225	Michigan Carbon 16% Acid Phosphate	Burk Bros., Upton..... Albert Long, Scottsville..... Denton Mercantile Co., Hillsboro..... Hoy McClure, Woodmont..... Burks and Conner, Upton..... Guaranteed
90226		
90465		
90867		
90868		
90467	†Horseshoe Paramount Fertilizer...	N. S. Gay, Greenmount..... Guaranteed
90468	Horseshoe High Grade Tobacco Grower	Geo. W. Hill and Co., Covington..... Guaranteed
69532	Horseshoe Tobacco Grower.....	Manufacturer
		Guaranteed
90228	Horseshoe Challenge Corn Grower	E. S. Ferrill and Sons, Buffalo..... J. W. Schoolcraft, Somerset..... Grayson County Supply Co., Leitchfield.. E. S. Ferrill and Sons, Buffalo..... Guaranteed
90229		
90469		
90869		

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulphate		
8.45	1.15	9.60			0.83	0.83	1.01	3.68	0.52	21.7	90221
8.70	1.05	9.75			0.84	0.84	1.02	4.66		22.4	90222
8.25	1.10	9.35			0.67	0.91	1.10	4.66		22.1	90223
8.85	0.95	9.80			0.76	0.76	0.92	4.62		22.2	90464
7.95	2.50	10.45			0.65	0.88	1.07	3.60	0.59	21.7	90864
7.90	2.40	10.30			0.83	0.83	1.01	3.84	0.51	21.5	90865
8.00	2.00	10.00				0.82	1.00	4.00		20.9	
14.35	1.85	16.20						2.12	2.25	27.5	69526
14.00								4.00		25.8	
22.20	2.00	24.20								26.6	90224
21.10	2.20	23.30								25.3	90866
20.00										24.0	
16.80	1.20	18.00								20.2	90225
17.15	0.85	18.00								20.6	90226
16.80	0.70	17.50								20.2	90465
16.10	2.30	18.40								19.3	90867
16.65	2.10	18.75								20.0	90868
16.00										19.2	
9.55	1.50	11.05			1.84	2.21	2.68	1.20	4.06	31.3	90467
8.00	2.00	10.00				2.47	3.00		6.00	31.7	
10.95	0.95	11.90			2.20	2.42	2.94		3.29	31.4	90468
10.00	2.00	12.00				2.47	3.00		3.00	31.7	
9.30	0.70	10.00			1.72	1.72	2.09		5.30	29.1	69532
8.00	2.00	10.00				1.65	2.00		5.00	26.9	
10.70	0.80	11.50			1.63	1.63	1.98	2.08		25.4	90228
11.45	1.45	12.90			1.47	1.69	2.05	2.10		27.0	90229
9.90	2.10	12.00			1.40	1.67	2.03	2.05		24.8	90469
10.60	2.10	12.70			1.44	1.74	2.11	1.68	0.63	26.7	90869
10.00	2.00	12.00				1.65	2.00	2.00		24.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90230 90231 90232	The American Agricultural Chem. Co., Inc., Cincinnati, O.—Con. Horseshoe Dark Tobacco Grower....	F. M. Mitchell, Scottsville..... E. S. Ferrill and Sons, Buffalo..... J. W. Schoolcraft, Somerset..... Guaranteed
69535	Horseshoe Apex Mixture.....	Manufacturer
90470	Horseshoe 20% Acid Phosphate.....	Guaranteed
90233 90471 90472 90870 90871	Horseshoe 16% Acid Phosphate.....	Woodson Lewis and Son, Greensburg.... Guaranteed
90234 90872	Horseshoe Corn and Wheat Phosphate	F. M. Mitchell, Scottsville..... Woodson Lewis and Son, Greensburg.... Geo. W. Hill and Co., Covington..... F. M. Mitchell, Scottsville..... E. S. Ferrill and Sons, Buffalo..... Guaranteed
90235 90473 90873	Armour Fertilizer Works, Louisville, Cincinnati, Nashville. Armour's 1-8-1 Fertilizer	E. S. Ferrill and Sons, Buffalo..... E. S. Ferrill and Sons, Buffalo..... Guaranteed
90474	Armour's 1-12-1 Fertilizer.....	J. W. Schoolcraft, Somerset..... J. P. Strother, Milton..... J. W. Schoolcraft, Somerset..... Guaranteed
90236 90475 90874 90875	Armour's 2-8-2 Fertilizer	A. A. Clay and Son, Indian Fields..... Guaranteed
		Henderson and Hardy Co., Shepherdsville
		Carlisle Coal and Feed Co., Carlisle.....
		Thompson's Store, Loretto.....
		The T. J. Turley Co., Owensboro..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.75	0.75	10.50			0.95	0.95	1.15	4.69		24.4	90230
8.45	1.55	10.00			0.85	0.85	1.03	3.94		21.4	90231
9.10	0.85	9.95			0.87	0.87	1.06	4.17		22.5	90232
8.00	2.00	10.00				0.82	1.00	4.00		20.9	
14.35	1.85	16.20						2.12	2.25	27.5	69535
14.00								4.00		25.8	
21.00	2.80	23.80								25.2	90470
20.00										24.0	
17.15	0.65	17.80								20.6	90233
16.00	1.70	17.70								19.2	90471
16.80	1.30	18.10								20.2	90472
17.50	2.00	19.50								21.0	90870
16.50	2.40	18.90								19.8	90871
16.00										19.2	
10.70	1.50	12.20			0.78	0.99	1.20	0.88	0.42	22.3	90234
10.85	2.20	13.05			1.16	1.41	1.71	3.48		27.0	90872
10.00	2.00	12.00				0.82	1.00	1.00		20.3	
8.25	0.10	8.35			0.89	0.89	1.08	1.18		17.4	90235
10.90	0.90	11.80			0.51	0.78	0.95	0.97		21.0	90473
8.20	0.50	8.70			0.78	0.78	0.95	1.11		16.9	90873
8.00	1.00	9.00				0.82	1.00	1.00		16.9	
11.50	1.00	12.50			0.74	1.05	1.27	1.47		23.6	90474
12.00	1.00	13.00				0.82	1.00	1.00		22.9	
8.55	0.15	8.70			1.60	1.60	1.94	1.94		21.6	90236
8.30	0.40	8.70			1.13	1.47	1.78	2.01		20.9	90475
8.95	13.15	22.10			1.31	1.53	1.86	2.04		27.3	90874
8.35	13.90	22.25			1.37	1.62	1.97	2.08		27.1	90875
8.00	1.00	9.00				1.65	2.00	2.00		21.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90876	Armour Fertilizer Works, Louisville, Cincinnati, Nashville.—Con. Big Crop 0-12-4 Fertilizer.....	Wilson, Winn and Co., Russellville..... Guaranteed
90237 90877	Big Crop 2-10-4 Fertilizer.....	F. L. Smith, Adairville..... J. W. Schoolcraft, Somerset..... Guaranteed
69670	Armour's 2-12-0 Fertilizer.....	Manufacturer
69671	Armour's Bonus "A" Humus.....	Manufacturer
90476 90878	Big Crop 2-12-2 Fertilizer.....	Broaddus and Robinson, Richmond..... Wilson, Winn and Co., Russellville..... Guaranteed
90477 90478	Big Crop 2-12-6 Fertilizer.....	Chenault and O'Rear, Mt. Sterling..... Knox County Supply Co., Barbourville.... Guaranteed
90879	Big Crop 2-16-2 Fertilizer.....	Lebanon Carriage and Impl. Co., Lebanon Guaranteed
69675	Big Crop 2-16-8 Fertilizer.....	Manufacturer
90880 90881	†Big Crop 4-16-4 Fertilizer.....	The T. J. Turley Co., Owensboro..... Grigsby and Co., Bardstown..... Guaranteed
90239 90240 90241	Big Crop 16% Acid Phosphate.....	Smith and Jeffries, Horse Cave..... F. L. Smith, Adairville..... Science Hill Flour and Feed Co., Science Hill
90482 90882 90883		Humphrey Bros., Bloomfield..... Hodges and Co., Hiseville..... Lebanon Carriage and Impl. Co., Lebanon Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
14.00	5.45	19.45						4.07		25.9	90870
12.00	0.50	12.50						4.00		22.8	
9.80	1.60	11.40			1.60	1.60	1.94	2.44	1.65	27.2	90237
11.15	0.50	11.65			1.59	1.59	1.93	4.47		28.7	90877
10.00	1.00	11.00				1.65	2.00	4.00		26.8	
13.35	7.60	20.95			1.47	1.83	2.22			30.4	69670
12.00	1.00	13.00				1.65	2.00			25.0	
13.35	7.60	20.95			1.47	1.83	2.22			30.4	69671
12.00	1.00	13.00				1.65	2.00			25.0	
12.15	0.85	13.00			1.30	1.59	1.93	2.47		27.9	90476
12.40	7.65	20.05			1.38	1.38	1.68	2.29		29.9	90878
12.00	1.00	13.00				1.65	2.00	2.00		27.4	
12.10	0.50	12.60			1.57	1.57	1.91	5.92		31.7	90477
11.95	0.75	12.70			1.38	1.63	1.98	6.40		32.4	90478
12.00	1.00	13.00				1.65	2.00	6.00		32.2	
16.05	0.45	16.50			1.40	1.65	2.00	2.08		33.4	90879
16.00	1.00	17.00				1.65	2.00	2.00		33.4	
16.70	0.65	17.35			1.64	1.64	1.99	8.95		42.6	69675
16.00	1.00	17.00				1.65	2.00	8.00		40.6	
17.25	1.05	18.30			3.17	3.17	3.85	4.38		44.2	90880
16.05	0.60	16.65			3.10	3.10	3.76	4.18		41.7	90881
16.00	1.00	17.00				3.29	4.00	4.00		42.4	
16.30	0.80	17.10								19.6	90239
17.65	4.40	22.05								21.2	90240
16.10	0.70	16.80								19.3	90241
16.60	1.00	17.60								19.9	90482
16.90	5.30	22.20								20.3	90882
16.40	1.30	17.70								19.7	90883
16.00	0.50	16.50								19.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90483	Armour Fertilizer Works, Louisville, Cincinnati, Nashville.—Con. Big Crop 20% Superphosphate.....	Taylor County Supply Co., Campbells-ville
90484		The T. J. Turley Co., Owensboro.....
90485		Knox County Supply Co., Barbourville..
		Guaranteed
69679	Big Crop 4-10-4 Fertilizer.....	Manufacturer
		Guaranteed
90242	Big Crop Plant Bed Special.....	Carlisle Coal and Feed Co., Carlisle.....
90243		W. C. Bonta, Pleasureville.....
		Guaranteed
90244	Big Crop Burley Tobacco Grower..	J. W. Schoolcraft, Somerset.....
90245		Henderson and Hardy Co., Shepherds-ville
90486		Broaddus and Robinson, Richmond.....
90487		Sam Terry, Big Clifty.....
		Guaranteed
69682	Big Crop Potato Grower.....	Manufacturer
		Guaranteed
90488	†Big Crop Dark Tobacco Grower....	W. L. Kimbrough, Guthrie.....
		Guaranteed
90247	†Big Crop Bone Meal.....	F. M. Mitchell, Scottsville.....
90884		Big Four Co., Franklin.....
		Guaranteed
90248	Big Crop Raw Bone.....	F. L. Smith, Adairville.....
90886		Thompson's Store, Loretto.....
90887		W. E. Ellis and Brother, Hartford.....
90888		Big Four Co., Franklin.....
		Guaranteed
90489	Big Crop Black Patch Special.....	Frank Brooks, Whitesville.....
		Guaranteed
90160	Big Crop 3-8-6 Fertilizer.....	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
19.80	0.90	20.70								23.8	90483
19.75	0.75	20.50								23.7	90484
19.80	0.70	20.50								23.8	90485
20.00	0.50	20.50								24.0	
10.35	2.85	13.20			3.05	3.40	4.13	3.86		34.9	69679
10.00	1.00	11.00				3.29	4.00	4.00		33.4	
8.25	0.60	8.85			2.13	3.35	4.07	0.56	2.49	30.4	90242
8.35	0.55	8.90			2.72	3.07	3.73		2.89	29.4	90243
8.00	1.00	9.00				3.29	4.00		3.00	30.1	
8.60	0.40	9.00			1.59	2.40	2.91		5.99	31.7	90244
8.40	0.45	8.85			1.69	2.49	3.02		5.89	31.6	90245
8.90	0.50	9.40			1.62	2.39	2.90		6.04	32.2	90486
8.60	0.50	9.10			1.63	2.36	2.87	0.76	4.84	30.7	90487
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
9.25	3.85	13.10			1.70	2.69	3.27	0.68	5.55	35.3	69682
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
8.70	3.20	11.90			1.57	2.16	2.62	0.72	3.08	28.5	90488
8.00	1.00	9.00				1.65	2.00		4.00	25.0	
		28.60	85	15		2.40	2.91			38.2	90247
		28.90	84	16		2.49	3.02			38.9	90884
		27.00				2.47	3.00			36.9	
		25.15	100			3.88	4.71			40.7	90248
		24.05	100			3.77	4.58			39.1	90886
		24.30	100			3.86	4.69			39.7	90887
		23.40	100			3.92	4.76			39.1	90888
		22.00				3.71	4.50			36.8	
8.90	2.20	11.10			2.01	2.80	3.40	5.76		32.3	90489
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
8.25	0.45	8.70			1.71	2.42	2.94	1.16	5.11	31.3	90160
8.00	1.00	9.00				2.47	3.00	6.00		29.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90161	Armour Fertilizer Works, Louisville, Cincinnati, Nashville.—Con. Big Crop 0-10-10 Fertilizer.....	Manufacturer Guaranteed
90162	Armour's 1-8-4 Fertilizer.....	Manufacturer Guaranteed
90491	Big Crop Hoosier Tomato Grower..	J. C. Everett and Co., Maysville..... Guaranteed
90492	Big Crop High Grade Tobacco Grower	The T. J. Turley Co., Owensboro..... Guaranteed
90889	†Big Crop 0-10-4 Fertilizer.....	F. L. Smith, Adairville..... Guaranteed
90779	Armour's 3-18-3 Fertilizer.....	Manufacturer Guaranteed
90494	The Buhner Fertilizer Co., Seymour, Ind. Buhner's High Grade Tobacco Grower (Potash from Muriate)..	Clayton Picket, Greensburg..... Guaranteed
90495	†Buhner's Special Tobacco Grower	Clayton Picket, Greensburg..... Guaranteed
69967	Buhner's Potato and Tobacco Grower	Manufacturer Guaranteed
69969	Buhner's Plant Bed Special.....	Manufacturer Guaranteed
69970	Buhner's Potash Special.....	Manufacturer Guaranteed
69971	Buhner's Grain and Grass Grower	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
11.10 10.00	1.80 0.50	12.90 10.50						11.02 10.00		29.9 27.0	90161
8.80 8.00	2.50 1.00	11.30 9.00			0.82	0.82 0.82	1.00 1.00	4.10 4.00		22.4 20.5	90162
11.60 12.00	1.00 1.00	12.60 13.00			1.46	1.66 1.65	2.02 2.00	5.96 6.00		31.6 32.2	90491
11.20 10.00	1.00 1.00	12.20 11.00			1.16	1.72 1.65	2.09 2.00	0.84 10.00	9.84	39.9 37.0	90492
10.45 10.00	10.50 0.50	20.95 10.50						3.80 4.00		20.2 19.8	90889
19.20 18.00	0.80 1.00	20.00 19.00			2.64	2.64 2.47	3.20 3.00	3.33 3.00		43.7 40.9	90779
10.00 8.00	2.30 2.00	12.30 10.00			1.14	2.24 2.47	2.72 3.00	7.53 6.00		33.9 29.9	90494
16.60 16.00	1.00 2.00	17.60 18.00			2.63	3.01 3.29	3.65 4.00	4.11 4.00		42.3 42.8	90495
9.90 10.00	2.10 2.00	12.00 12.00			3.13	3.73 2.47	4.53 3.00	6.23 4.00		38.1 30.5	69967
10.65 10.00	3.90	14.55			2.54	3.45 3.29	4.19 4.00			31.3 28.2	69969
10.65 10.00	1.10	11.75						8.77 5.00		26.5 21.0	69970
11.15 11.00	2.05 2.00	13.20 13.00			1.35	2.12 0.82	2.57 1.00	4.99 3.00		32.0 24.2	69971

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90496 90497 90891	The Buhner Fertilizer Co., Seymour, Ind.—Con. Buhner's Corn and Wheat Special	I. K. Miller and Sons, Campbellsville... A. W. Tarter, Columbia..... J. S. McMurtry, Elizabethtown..... Guaranteed
69973	Buhner's Potash Mixture.....	Manufacturer Guaranteed
90251 90498 90892 90893	Buhner's 16%.....	A. P. Thompson, Horse Cave..... I. K. Miller and Sons, Campbellsville... H. C. Picket, Greensburg..... J. S. McMurtry, Elizabethtown..... Guaranteed
90499 90895 90896	†Buhner's Crop Grower.....	Clayton Picket, Greensburg..... H. C. Picket, Greensburg..... J. H. and J. L. Lyon, Loretto..... Guaranteed
90500	†Buhner's Special Crop Grower.....	Clayton Picket, Greensburg..... Guaranteed
69977	Buhner's Raw Bone.....	Manufacturer Guaranteed
90253 90501 90502 90898	Buhner's Phosphate Lime Mixture (40%) with Tankage Filler.....	G. F. Davis, Mt. Hermon..... I. K. Miller and Sons, Campbellsville... A. W. Tarter, Columbia..... H. C. Picket, Greensburg..... Guaranteed
90155	Acme Truckers Special.....	* Guaranteed
90156	Acme High Grade Vegetable Grower	* Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
12.30	1.10	13.40				0.55	0.67	1.29		22.6	90496
12.80	1.00	13.80				0.40	0.49	0.97		22.4	90497
11.75	1.00	12.75				0.46	0.56	1.27		21.4	90891
11.00	2.00	13.00				0.41	0.50	1.00		20.1	
13.80	0.90	14.70						9.50		29.2	69973
10.00								2.00		17.4	
15.95	1.35	17.30								19.1	90251
17.00	0.70	17.70								20.4	90498
15.95	0.35	16.30								19.1	90892
16.20	1.05	17.25								19.4	90893
16.00										19.2	
8.30	3.10	11.40			0.55	1.39	1.69	2.75		22.3	90499
8.30	2.90	11.20			0.81	1.61	1.95	1.40	0.61	22.9	90895
7.45	3.75	11.20			0.82	1.65	2.00	1.89		21.6	90896
8.00	4.00	12.00				1.65	2.00	2.00		22.6	
8.00	3.50	11.50			0.55	1.60	1.94	6.01		27.0	90500
8.00	4.00	12.00				1.65	2.00	6.00		27.4	
		21.85	38	62		4.24	5.15			38.8	69977
		21.00				3.71	4.50			35.8	
9.75	1.15	10.90								11.7	90253
9.50	1.60	11.10								11.4	90501
10.20	1.00	11.20								12.2	90502
9.50	1.40	10.90								11.4	90898
10.00										12.0	
10.00	2.00	12.00				1.65	2.00	4.00		27.2	90155
10.00	2.00	12.00				3.29	4.00			29.0	90156

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90157	The Buhner Fertilizer Co., Seymour, Ind.—Con. Acme Potato Grower (Sulfate).....	* Guaranteed
90158	Acme Wheat and Corn Grower.....	* Guaranteed
90159	Acme Potato Grower (Muriate)....	* Guaranteed
90503 90899	Buhner's 20% Acid Phosphate.....	Clayton Picket, Greensburg..... H. C. Picket, Greensburg..... Guaranteed
90202	Buhner's Ideal Tobacco Grower...	Manufacturer Guaranteed
69569	Bunton and Huber, Inc., Louisville, Ky. B. and H. A-1 Potato Grower.....	Manufacturer Guaranteed
69570	B. and H. Tobacco and Potato Grower	Manufacturer Guaranteed
69571	B. and H. High Grade Vegetable Grower	Manufacturer Guaranteed
69572	B. and H. Truckers Special.....	Manufacturer Guaranteed
69573	B. and H. Corn and Wheat Special	Manufacturer Guaranteed
69574	B. and H. Acid Phosphate 16%.....	Manufacturer Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90809	Bunton and Huber, Inc., Louisville, Ky.—Con. B. and H. Special Grain Grower 2-16-2	Manufacturer Guaranteed
90504 90505	Calumet Fertilizer Co., New Albany, Ind. Calumet Br. High Grade Tobacco and Truck Grower.....	Patrick Dillon, Hardinsburg..... D. S. Richardson, Brandenburg..... Guaranteed
90900 90901	†Calumet Brand Two Twelve Two..	Vine Grove Feed Co., Vine Grove..... W. R. Kelsey, Gap Creek..... Guaranteed
90001	Calumet Brand Otto Voyles Two in One	Manufacturer Guaranteed
90256 90508 90509	†Calumet Brand Ky. Tobacco Grower	J. H. Jasper, W. Somerset..... Lexington Seed Co., Lexington..... Patrick Dillon, Hardinsburg..... Guaranteed
90510 90511	†Calumet Brand Potato and Tobacco Special	Harvey Stout and Son, Fern Creek..... Barnett Bros., London..... Guaranteed
90514 90515	†Calumet Brand Corn and Wheat Special	Harvey Stout and Son, Fern Creek..... Barnett Bros., London..... Guaranteed
90517	Calumet Brand Crop Grower.....	Lexington Seed Co., Lexington, Ky..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
19.00 16.00	0.75 2.00	19.75 18.00			2.51	2.51 1.65	3.05 2.00	3.11 2.00		42.6 33.8	90809
9.35 10.00 10.00	4.50 3.70 4.00	13.85 13.70 14.00			1.34 1.36	2.39 2.41 2.47	2.90 2.93 3.00	4.72 3.66 4.00		31.1 30.5 31.3	90504 90505
12.10 11.85 12.00	3.15 3.55 4.00	15.25 15.40 16.00			1.08 1.05	1.64 1.68 1.65	1.99 2.04 2.00	2.06 2.38 2.00		28.5 28.8 28.6	90900 90901
15.95 16.00	2.90 4.00	18.85 20.00			0.80	1.69 1.65	2.05 2.00	2.08 2.00		34.4 34.6	90001
7.85 7.70 8.15 8.00	2.70 2.70 2.50 4.00	10.05 10.40 10.65 12.00			0.78 0.80 0.78	1.43 1.50 1.51 1.65	1.74 1.82 1.83 2.00	8.68 8.81 8.36 8.00		29.0 29.2 29.3 29.8	90256 90508 90509
7.60 7.95 8.00	2.90 2.95 4.00	10.50 10.90 12.00			0.87 0.90	1.61 1.64 1.65	1.95 1.99 2.00	5.16 4.73 5.00		25.2 25.4 26.2	90510 90511
7.75 8.15 8.00	2.85 2.70 4.00	10.60 10.85 12.00			0.85 0.82	1.61 1.49 1.65	1.95 1.81 2.00	2.37 2.29 2.00		22.1 22.0 22.6	90514 90515
8.50 8.00	1.60 4.00	10.10 12.00			0.37	0.81 0.82	0.98 1.00	1.99 1.00		19.0 18.1	90517

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90007	Calumet Fertilizer Co., New Albany, Ind.—Con. Calumet Brand Fifteen Seven and One-Half	Manufacturer Guaranteed
90010	Calumet Brand Half and Half.....	* Guaranteed
90257	Calumet Brand Acid Phosphate 16%	J. H. Jasper, W. Somerset..... Lexington Seed Co., Lexington..... Patrick Dillon, Hardinsburg..... Vine Grove Feed Co., Vine Grove..... George Richardson, Somerset..... Guaranteed
90518		
90519		
90520		
90903		
90521	Calumet Brand Acid Phosphate 20%	Leslie Montgomery, Greensburg..... Leslie Montgomery, Greensburg..... Guaranteed
90904		
90905	Calumet Brand Raw Bone Meal....	W. R. Kelsay, Gap Creek..... Guaranteed
90906	Calumet Brand 16% Acid Phos- phate	George Richardson, Somerset..... Guaranteed
90908	Consolidated Chemical Co., Louis- ville, Ky. Camel Brand Corn and Wheat Spe- cial	Will Garner, Murl..... Guaranteed
69636	Camel Brand Universal Crop Fer- tilizer	Manufacturer Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
14.90	0.60	15.50						7.78		31.7	90007
15.00	4.00	19.00						7.50		31.5	
6.00	6.00	12.00				2.06	2.50	1.00		20.8	90010
15.35	1.85	17.20								18.4	90257
16.35	0.80	17.15								19.6	90518
16.15	1.35	17.50								19.4	90519
16.35	1.10	17.45								19.6	90520
17.10	0.75	17.85								20.5	90903
16.00	2.00	18.00								19.2	
20.70	0.60	21.30								24.8	90521
19.70	0.30	20.00								23.6	90904
20.00	2.00	22.00								24.0	
		22.50	42	58		3.78	4.59			37.6	90905
		20.00				3.71	4.50			34.8	
16.80	0.70	17.50								20.2	90906
16.00	1.00	17.00								19.2	
12.85	0.85	13.70			0.58	0.78	0.95	0.80	0.45	24.4	90908
11.00	2.00	13.00				0.41	0.50	1.00		20.1	
14.80	0.45	15.25			0.55	0.99	1.20	1.56		28.2	69636
12.00	2.00	14.00				0.82	1.00	1.00		23.3	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90522	Consolidated Chemical Co., Louisville, Ky.—Con.	
90523	Camel Brand Vegetable, Potato and Tobacco Fertilizer	L. R. Hart, Big Clifty..... Ed. Brown and Sons, Murray..... Guaranteed
69638	Camel Brand Bone Phosphate and Tankage	Manufacturer
		Guaranteed
69639	Camel Brand One-Eight-Three Fertilizer	Manufacturer
		Guaranteed
69640	Camel Brand Harvest King.....	Manufacturer
		Guaranteed
69641	Camel Brand Blue Grass Tobacco Grower	Manufacturer
		Guaranteed
69642	Camel Brand Blue Grass Tobacco Fertilizer	Manufacturer
		Guaranteed
90909	Camel Brand Ky. Special Grain...	Will Garner, Murl..... Guaranteed
69644	Camel Brand High Grade Vegetable Grower	Manufacturer
		Guaranteed
90910	Camel Brand High Grade Special..	Will Garner, Murl..... Guaranteed
90524	Camel Brand Superior Tobacco Fertilizer	Kirk and Rice, Fordsville..... Star Roller Mills, Cloverport..... Guaranteed
90525		
69647	Camel Brand Tobacco Fertilizer...	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
12.50	1.00	13.50			0.60	0.99	1.20	3.18		26.9	90522
12.35	1.30	13.65			0.62	0.99	1.20	1.36	1.75	27.3	90523
11.00	2.00	13.00				0.82	1.00	3.00		24.2	
11.95	0.35	12.30			0.51	0.95	1.15	2.49		24.9	69638
10.00	2.00	12.00				0.82	1.00	2.00		21.5	
9.55	0.25	9.80			0.50	0.98	1.19	2.92		21.9	69639
8.00	2.00	10.00				0.82	1.00	3.00		19.7	
10.90	0.50	11.40			0.66	1.07	1.30	2.58		23.9	69640
8.00	2.00	10.00				0.82	1.00	2.00		18.5	
10.05	0.25	10.30			0.89	1.34	1.63		4.54	26.0	69641
8.00	2.00	10.00				1.23	1.50		4.00	23.7	
9.25	0.25	9.50			0.83	1.27	1.54	4.52		24.5	69642
8.00	2.00	10.00				1.23	1.50	4.00		22.5	
13.45	0.90	14.35			1.42	1.82	2.21	1.88	0.47	30.8	90909
12.00	2.00	14.00				1.65	2.00	2.00		27.8	
12.10	0.30	12.40			1.14	1.88	2.28	4.68		31.4	69644
10.00	2.00	12.00				1.65	2.00	4.00		27.2	
10.30	1.35	11.65			1.45	1.89	2.29	2.34		26.4	90910
10.00	2.00	12.00				1.65	2.00	2.00		24.8	
9.40	1.20	10.60			1.25	1.80	2.19	3.94	0.50	27.3	90524
8.65	1.05	9.70			1.08	1.71	2.08	0.96	4.62	28.3	90525
8.00	2.00	10.00				1.65	2.00		5.00	26.9	
9.55	0.50	10.05			1.17	1.80	2.19	0.72	1.90	25.4	69647
8.00	2.00	10.00				1.65	2.00		2.00	22.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69648	Consolidated Chemical Co., Louisville, Ky.—Con. Camel Brand Standard Grain Fertilizer	Manufacturer Guaranteed
90526 90527	Camel Brand Beef, Blood and Bone	Star Roller Mills, Cloverport..... L. R. Hart, Big Clifty..... Guaranteed
69650	Camel Brand Extra Special Tobacco Fertilizer	Manufacturer Guaranteed
69651	Camel Brand Three-Eight-Six Tobacco Grower	Manufacturer Guaranteed
69652	Camel Brand Three-Eight-Six Tobacco Fertilizer	Manufacturer Guaranteed
69653	Camel Brand Truck and Tobacco Fertilizer	Manufacturer Guaranteed
69654	Camel Brand Plant Bed Manure....	Manufacturer Guaranteed
69655	Camel Brand Potato and Tobacco Fertilizer	Manufacturer Guaranteed
69656	Camel Brand Potash Tobacco Fertilizer	Manufacturer Guaranteed
69657	Camel Brand Extra High Grade Phosphate	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.85 8.00	0.75 2.00	10.60 10.00			1.18	1.88 1.65	2.28 2.00	2.64 2.00		25.8 21.8	69648
8.55 8.55 8.00	1.20 1.30 2.00	9.75 9.85 10.00			0.92 1.15	1.40 1.67 1.65	1.70 2.03 2.00	1.80 2.41 2.00	0.51	21.8 22.9 21.8	90526 90527
11.75 10.00	1.00 2.00	12.75 12.00			2.11	2.87 2.47	3.48 3.00	1.00 3.00	2.26 3.00	34.1 30.2	69650
9.50 8.00	0.75 2.00	10.25 10.00			2.11	2.90 2.47	3.52 3.00	1.04 6.00	6.18 31.7	36.7 31.7	69651
8.75 8.00	0.85 2.00	9.60 10.00			2.01	2.68 2.47	3.25 3.00	7.16 6.00		32.8 29.9	69652
9.50 8.00	0.50 2.00	10.00 10.00			1.93	2.63 2.47	3.19 3.00	3.64 3.00		29.3 26.3	69653
11.20 10.00	0.60 2.00	11.80 12.00			2.51	3.44 3.29	4.18 4.00			30.8 29.0	69654
11.79 10.00	0.50 2.00	12.20 12.00			2.52	3.33 3.29	4.04 4.00			31.1 29.0	69655
11.00 10.00	0.70 2.00	11.70 12.00						5.55 5.00		23.2 20.2	69656
19.70 18.00	0.60 2.00	20.30 20.00								23.6 21.6	69657

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90258	Consolidated Chemical Co., Louisville, Ky.—Con. Camel Brand High Grade Phosphate	Farm Bureau Supply Co., Elizabethtown L. R. Hart, Big Clifty..... Eskol Wilson, Sugar Creek..... Yopp Seed Co., Paducah..... Guaranteed
90529	Camel Brand Acid Phosphate.....	Ed. Brown and Sons, Murray..... Guaranteed
69660	Camel Brand Bone and Phosphate Mixture	Manufacturer
69661	Camel Brand Steamed Bone Meal..	Manufacturer
69663	Camel Brand Three-Eight-Six Potato Grower	Manufacturer
90017	Camel Brand Two-Twelve-Six Fertilizer	Manufacturer
90018	Camel Brand Truck and Plant Bed Special	Manufacturer
90019	Camel Brand Ten Percent Dry Phosphate	Manufacturer
90201	Camel Brand Ten and Ten Percent Potash Fertilizer	Manufacturer
90778	Camel Brand Phosphate and Tobacco (200 lbs. per ton)	Manufacturer

TABLE I.

[illegible]

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90146	Duncan and Sherley, La Grange, Ky. Tiger Brand Half and Half.....	Manufacturer Guaranteed
90147	Tiger Brand Pure Bone Meal.....	* Guaranteed
90419	Tiger Brand A-1 Tobacco Grower..	Manufacturer Guaranteed
90420	Tiger Brand Corn and Wheat Grower	Manufacturer Guaranteed
69471	The Empire Guano Co., Nashville, Tenn. Red Banner Favorite.....	Manufacturer Guaranteed
69472	Red Banner Special.....	Manufacturer Guaranteed
69473	Wheat, Oat and Corn Grower.....	Manufacturer Guaranteed
69474	Climax Tobacco Grower.....	Manufacturer Guaranteed
90913	Favorite Manure.....	G. M. Stevenson, Columbia..... Guaranteed
69476	Red Banner Tobacco Grower.....	Manufacturer Guaranteed
69477	High Grade Tobacco Grower.....	Manufacturer Guaranteed
69478	Ky. Tobacco and Truck Grower....	Manufacturer Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
7.95 6.00	5.15 6.00	13.10 12.00			0.57	2.03 1.65	2.46 2.00	1.95	1.00	22.6 19.5	90146
		27.00				2.47	3.00			36.9	90147
9.40 8.00	0.60 2.00	10.00 10.00			1.95	2.36 2.47	2.87 3.00	7.40	0.82 6.00	33.9 31.7	90419
11.50 10.00	0.90 2.00	12.40 12.00				0.61 0.41	0.74 0.50			20.1 17.4	90420
12.45 10.00	3.30 3.00	15.75 13.00			2.04	2.62 2.47	3.18 3.00	3.62 3.00		34.8 29.7	69471
11.45 10.00	4.30 3.00	15.75 13.00			1.33	1.89 1.65	2.29 2.00	2.27 2.00		29.2 25.2	69472
12.60 10.00	1.30 5.00	13.90 15.00			0.24	0.93 0.82	1.13 1.00	1.00	0.85	24.4 21.5	69473
12.95 10.00	1.05 5.00	14.00 15.00				0.97 0.82	1.18 1.00	1.00	0.84	25.0 21.5	69474
9.40 10.00	9.20 4.00	18.60 14.00			0.35	0.83 0.82	1.01 1.00	2.99 3.00		24.7 23.5	90913
11.60 8.00	0.90 4.00	12.50 12.00			1.39	2.12 1.65	2.57 2.00		2.64 2.00	30.2 23.2	69476
11.00 8.00	1.40 4.00	12.40 12.00			1.36	2.02 1.65	2.48 2.00		4.87 4.00	32.5 26.2	69477
11.20 8.00	1.20 4.00	12.40 12.00			2.24	2.65 2.47	3.22 3.00		6.63 6.00	37.8 32.5	69478

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90530 90914 90915	The Empire Guano Co., Nashville, Tenn.—Con. Ky. Premium Guano.....	G. M. Stevenson, Columbia..... C. N. Baird, Franklin..... G. M. Stevenson, Columbia..... Guaranteed
69480	Superior Tobacco Grower.....	Manufacturer
69481	High Grade Potash Mixture.....	Manufacturer
90531 90916 90917 90918	Climax Acid Phosphate.....	G. M. Stevenson, Columbia..... C. N. Baird, Franklin..... G. M. Stevenson, Columbia..... Taylor County Supply Co., Campbells- ville
69483	Premium Acid Phosphate.....	Manufacturer
90259	†Red Banner 20% Acid Phosphate..	J. G. Warriner, Waynesburg..... Guaranteed
69486	Bone Meal and Phosphate.....	Manufacturer
90787	Red Banner Standard.....	Manufacturer
90534	Evansville Fertilizer Co., Evansville, Ind. Superb Dark Patch Special.....	R. T. Kirkman, Elkton..... Guaranteed
69955	Superb Farmers Choice	Manufacturer
90535	Superb Best Bet.....	Atherton, Kidd Co., Livermore..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.65	8.00	18.65			0.47	0.47	0.57	2.80	0.61	25.3	90530
9.45	10.90	20.35			0.35	0.66	0.80	4.02		26.0	90914
9.90	10.20	20.10			0.34	0.60	0.73	3.92		26.0	90915
8.00	4.00	12.00				0.41	0.50	4.00		20.0	
12.05	1.00	13.05			1.50	1.89	2.29	3.64	5.71	39.0	69480
8.00	4.00	12.00				1.65	2.00		8.00	32.2	
13.80	7.30	21.10						4.86		26.5	69481
10.00	4.00	14.00						4.00		19.8	
19.20	2.20	21.40								23.0	90531
17.85	2.25	20.10								21.4	90916
17.10	2.40	19.50								20.5	90917
17.00	2.85	19.85								20.4	90918
16.00	2.00	18.00								19.2	
22.25	1.15	23.40								26.7	69483
18.00	2.00	20.00								21.6	
22.50	0.65	23.15								27.0	90259
20.00										24.0	
		20.80	70	30		1.06	1.29			25.0	69486
		20.00				0.82	1.00			23.3	
11.20	5.00	16.20			1.14	1.77	2.15	2.15		28.5	90787
8.00	4.00	12.00				1.65	2.00	2.00		22.6	
10.30	2.90	13.20			1.16	2.24	2.72	3.24		29.5	90534
10.00						2.47	3.00	3.00		28.5	
12.55	0.30	12.85			1.49	1.78	2.16	2.40		29.0	69955
12.00						1.65	2.00	2.00		27.0	
8.70	4.90	13.60			0.43	1.44	1.75	4.99		26.8	90535
8.00						1.65	2.00	5.00		24.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90536 90920	Evansville Fertilizer Co., Evansville, Ind.—Con. Superb Three “B”.....	Atherton, Kidd Co., Livermore..... Eldred Hardware Co., Princeton..... Guaranteed
69958	Superb Golden Seal.....	Manufacturer
69959	Superb Grain Booster.....	Manufacturer
69960	Superb Special.....	Manufacturer
69962	Superb 18% Acid Phosphate.....	Manufacturer
90260 90540 90921	Superb 16% Acid Phosphate.....	W. D. Dickinson, Glasgow..... Sexton Bros., Murray..... W. D. Dickinson, Glasgow..... Guaranteed
90111	Falls City Fertilizer Co., New Albany, Ind. Falls City Br. High Gr. Tobacco and Truck Grower.....	Manufacturer
90112	Falls City Br. Tobacco Grower.....	Manufacturer
90115	Falls City Br. Falls City Two-in-One	Manufacturer
90116	Falls City Br. Kentucky Tobacco Grower	*

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.60	3.00	11.60			0.81	2.05	2.49	2.85		25.7	90536
8.15	3.65	11.80			0.75	1.67	2.03	2.12		22.9	90920
8.00						1.65	2.00	2.00		21.0	
10.50	0.30	10.80			1.12	1.35	1.64	3.97		26.0	69958
8.00						0.82	1.00	3.00		18.9	
11.20	0.40	11.60			1.92	2.26	2.74	2.92		29.5	69959
8.00						0.82	1.00	1.00		16.5	
11.70	0.25	11.95						5.17		23.8	69960
10.00								4.00		19.8	
20.45	0.20	20.65								24.5	69962
18.00										21.6	
15.80	3.50	19.30								19.0	90260
17.70	2.60	20.30								21.2	90540
15.75	2.65	18.40								18.9	90921
16.00										19.2	
10.05	2.70	12.75			1.59	2.38	2.89	4.68		31.3	90111
10.00	4.00	14.00				2.47	3.00	4.00		31.3	
8.50	2.95	11.45			1.59	2.43	2.95	6.46		31.4	90112
8.00	4.00	12.00				2.47	3.00	6.00		30.7	
15.95	2.90	18.85			0.80	1.69	2.05	2.08		34.4	90115
16.00	4.00	20.00				1.65	2.00	2.00		34.6	
8.00	4.00	12.00				1.65	2.00	8.00		29.8	90116

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90118	Falls City Fertilizer Co., New Albany, Ind.—Con. Falls City Br. Corn and Wheat Special	Manufacturer Guaranteed
90121	Falls City Br. Twelve Twelve.....	* Guaranteed
90122	Falls City Br. Ten Ten Hummer....	* Guaranteed
90123	Falls City Br. Acid Phosphate 16%	* Guaranteed
90124	Falls City Br. Acid Phosphate 20%	Manufacturer Guaranteed
90125	Falls City Br. Raw Bone Meal.....	* Guaranteed
69763	Federal Chemical Co., Inc., Louisville, Ky. Standard Grain Grower.....	Manufacturer Guaranteed
90541 90542	Ammoniated Potash Ten.....	Grayson County Supply Co., Leitchfield.. Guenther Hardware Co., Owensboro..... Guaranteed
90261	Special Mixture Tobacco and Vegetable Grower	Big Four Co., Franklin..... Guaranteed
69766	Tobacco, Truck and Tomato Fertilizer	Manufacturer Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.05 8.00	1.75 4.00	10.80 12.00			1.13	1.77 1.65	2.15 2.00	2.89 2.00		24.8 22.6	90118
12.00	4.00	16.00						12.00		32.4	90121
10.00	4.00	14.00						10.00		27.0	90122
16.00	2.00	18.00								19.2	90123
21.50 20.00	0.20 2.00	21.70 22.00								25.8 24.0	90124
		20.00				3.71	4.50			34.8	90125
11.30 10.00	0.30 2.00	11.60 12.00			2.50	2.50 0.82	3.06 1.00	4.23 1.00		32.2 20.3	69763
9.10 8.80 8.00	1.40 0.90 2.00	10.50 9.70 10.00			0.52 0.52	0.80 0.94 0.82	0.97 1.14 1.00	10.28 9.78 10.00		29.8 29.1 28.1	90541 90542
10.45 8.00	2.80 2.00	13.25 10.00			0.33	1.03 1.23	1.25 1.50	5.95 6.00		28.1 24.9	90261
10.35 9.00	0.30 2.00	10.65 11.00			2.82	2.82 1.65	3.42 2.00	2.26 1.00		29.6 22.1	69766

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69767	Federal Chemical Co., Inc., Louisville, Ky.—Con. Potato Maker and Tobacco Fertilizer	Manufacturer Guaranteed
90544 90545	Standard Corn and Wheat Grower..	Latiff Fruit Co., Middlesboro..... Grayson County Supply Co., Leitchfield.. Guaranteed
69769	Premium High Grade Fertilizer...	Manufacturer Guaranteed
90262 90546 90547	†Special Tobacco Maker.....	Ballard Mercantile Co., Wickliffe..... J. R. Sower, Frankfort..... Lake Bros., Springfield..... Guaranteed
90548 90922	Beef, Blood and Bone.....	Grayson County Supply Co., Leitchfield.. Grayson County Supply Co., Leitchfield.. Guaranteed
90549 90550 90551 90552	2-8-5 Tobacco Fertilizer.....	Victor Barnett, Bagdad..... Gatlin-Ferguson Co., Benton..... Pleasureville Impl. Co., N. Pleasureville W. H. Lyon, Loretto..... Guaranteed
90264	†Best Burley Tobacco Grower.....	Stewarts Cash Grocery, Horse Cave..... Guaranteed
90267 90268	Spl. Mixture Plant Bed Special...	J. C. Everett and Co., Maysville..... Stewart and Co., Munfordville..... Guaranteed
90269 90556 90557	†Spl. Tobacco and Potato Grower...	Henderson and Hardy Co., Shepherds- ville Williamsburg Hdw. Co., Williamsburg... G. O. Wright, Simpsonville..... Guaranteed
90558	†Ky. Tobacco and Potato Grower...	T. E. Fursie, West Point..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.35 9.00	0.30 2.00	10.65 11.00			2.82 2.82 1.65	2.82 1.65	3.42 2.00	2.26 1.00		29.6 22.1	69767
9.05 8.70 8.00	0.50 0.40 2.00	9.55 9.10 10.00			1.06 1.40 1.65	1.44 1.89 2.00	1.75 2.29 2.00	2.64 1.88 2.00	0.74	22.7 24.1 21.8	90544 90545
11.50 10.00	0.25 2.00	11.75 12.00			2.21 2.21 1.65	2.21 1.65	2.68 2.00	3.18 2.00		30.0 24.8	69769
11.90 10.90 10.80 10.00	1.30 0.40 0.60 2.00	13.20 11.30 11.40 12.00			1.58 1.33 1.12 1.65	2.56 1.82 1.61 1.65	3.11 2.21 1.95 2.00	3.94 1.90 2.58 2.00		33.3 26.1 26.0 24.8	90262 90546 90547
11.30 9.80 10.00	1.50 1.40 2.00	12.80 11.20 12.00			1.37 1.22 1.65	1.83 1.75 1.65	2.22 2.12 2.00	1.96 2.25 2.00		27.2 25.0 24.8	90548 90922
8.60 9.15 8.85 8.60 8.00	0.75 3.05 1.15 1.70 2.00	9.35 12.20 10.00 10.30 10.00			1.34 0.47 1.43 0.71 1.65	1.82 1.61 1.94 1.68 1.65	2.21 1.95 2.36 2.04 2.00	4.85 5.12 4.44 5.43 5.00	0.49	26.2 27.5 27.6 26.8 25.4	90549 90550 90551 90552
8.45 8.00	2.85 2.00	11.30 10.00			0.54 1.55 1.65	1.55 1.65	1.88 2.00	0.80 6.03 7.50		30.0 30.7	90264
10.35 10.20 10.00	0.75 0.50 2.00	11.10 10.70 12.00			1.92 1.86 2.47	2.54 2.38 2.47	3.08 2.89 3.00	2.93 2.82 3.00		29.5 28.4 29.3	90267 90268
8.35 8.85 8.30 8.00	0.30 0.75 1.00 2.00	8.65 9.60 9.30 10.00			1.91 1.45 2.27 2.47	2.40 2.43 2.79 2.47	2.91 2.95 3.39 3.00	1.12 3.48 0.92 6.00	5.51 2.55 4.76 6.00	31.9 31.3 32.3 31.7	90269 90556 90557
8.05 8.00	1.10 2.00	9.15 10.00			1.80 2.29 2.47	2.29 2.47	2.78 3.00	6.00 6.00		28.9 29.9	90558

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69782	Federal Chemical Co., Inc., Louis- ville, Ky.—Con. High Grade Tobacco Grower.....	Manufacturer Guaranteed
90562	Spl. Mixture High Grade Tobacco Grower	Pleasureville Impl. Co., N. Pleasureville Guaranteed
69784	Tip Top Potato Grower.....	Manufacturer Guaranteed
69785	Spl. Mixture Tip Top Potato Grower	Manufacturer Guaranteed
69786	A-1 Fertilizer.....	Manufacturer Guaranteed
69787	A-1 Corn and Wheat Fertilizer....	Manufacturer Guaranteed
69788	A-1 Formula.....	Manufacturer Gauranteed
69789	A-1 Soluble Vegetable Manure.....	Manufacturer Guaranteed
69790	A-1 Potato Grower.....	Manufacturer Guaranteed
69791	A-1 Extra Tobacco Special.....	Manufacturer Guaranteed
69792	Standard Meal Mixture.....	Manufacturer Guaranteed
69793	Potash Special.....	Manufacturer Guaranteed
69794	Potash Mixture.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.20 8.00	0.10 2.00	10.30 10.00			4.66	4.66 3.29	5.66 4.00		4.47 4.00	40.7 32.0	69782
8.25 8.00	0.90 2.00	9.15 10.00			2.49	3.02 3.29	3.67 4.00	4.27 4.00		29.9 30.8	90562
10.75 10.00	0.10 2.00	10.85 12.00			4.83	4.83 3.29	5.86 4.00		4.09 4.00	40.4 35.0	69784
10.75 10.00	0.10 2.00	10.85 12.00			5.13	5.13 3.29	6.23 4.00	4.58 4.00		42.2 33.8	69785
13.85 12.00	0.15 2.00	14.00 14.00			1.52	1.52 0.82	1.85 1.00			26.9 22.1	69786
15.55 14.00	0.15 2.00	15.70 16.00			1.65	1.65 0.82	2.00 1.00			30.0 25.1	69787
12.40 10.00	0.10 2.00	12.50 12.00			3.07	3.07 1.65	3.73 2.00			30.9 22.4	69788
13.40 12.00	0.10 2.00	13.50 14.00			2.08	2.08 1.65	2.53 2.00			28.5 25.4	69789
11.00 10.00	0.15 2.00	11.15 12.00			4.80	4.80 3.29	5.83 4.00			35.8 29.0	69790
11.00 10.00	0.15 2.00	11.15 12.00			4.80	4.80 3.29	5.83 4.00			35.8 29.0	69791
12.35 10.00	8.00 10.00	20.35 20.00			0.98	1.20 9.82	1.46 1.00			26.5 22.3	69792
10.80 10.00	0.35	11.15						4.22 2.00		21.3 17.4	69793
10.65 10.00	0.25	10.90						6.25 4.00		23.5 19.8	69794

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69795	Federal Chemical Co., Inc., Louisville, Ky.—Con. Potash Compound.....	Manufacturer Guaranteed
69796	Black Land Special.....	Manufacturer Guaranteed
90563 90564 90565 90926 90927	20% Phosphate.....	K. R. Woosley, Caneyville..... Clem Keltner, Campbellsville..... L. R. Hart, Big Clifty..... Grayson County Supply Co., Leitchfield.. H. E. Beck, Murl..... Guaranteed
90928	18% Phosphate.....	E. O. Christie, Knifley..... Guaranteed
69799	AA Phosphate.....	Manufacturer Guaranteed
90272 90567	Nitrate of Soda.....	Henderson and Hardy Co., Shepherds- ville Trent and Mitcham, Irvington..... Guaranteed
69802	Muriate of Potash.....	Manufacturer Guaranteed
90932	†Double Formula 2-16-8.....	Farmers Seed Co., Lebanon..... Guaranteed
91061	Special Ammoniated Potash Ten....	Manufacturer Guaranteed
69803	1st Prize Corn and Wheat Cham- pion	Manufacturer Guaranteed
69804	1st Prize Corn, Wheat and Oats Grower	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
14.35 12.00	0.25	14.60						3.66 2.00		25.9 20.4	69795
13.90 12.00	8.10	22.00						4.91 4.00		26.7 22.8	69796
22.95 21.95 20.40 21.00 21.00 20.00	0.40 0.55 0.40 0.70 1.20	23.35 22.50 20.80 21.70 22.20								27.5 26.3 24.5 25.2 25.2 24.0	90563 90564 90565 90926 90927
19.30 18.00	1.35	20.65								23.2 21.6	90928
11.85 10.00	0.25	12.10								14.2 12.0	69799
						15.68 15.56 15.00	19.04 18.88 18.21			62.7 62.2 60.0	90272 90567
								54.52 50.00		65.4 60.0	69802
16.30 16.00	1.40 2.00	17.70 18.00			1.13	1.78 1.65	2.16 2.00	7.90 8.00		41.6 41.0	90932
9.30 8.00	0.50 2.00	9.80 10.00			2.17	2.17 0.82	2.63 1.00		10.11 10.00	35.0 31.1	91061
13.40 11.50	0.30 2.00	13.70 13.50			0.87	0.87 0.41	1.01 0.50		1.16 0.50	25.4 20.3	69803
12.00 11.00	0.20 2.00	12.20 13.00			0.68	0.68 0.41	0.83 0.50	1.56 1.00		22.7 20.1	69804

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69805	Federal Chemical Co., Inc., Louis- ville, Ky.—Con. 1st Prize Grain Maker.....	Manufacturer Guaranteed
69806	1st Prize Special.....	Manufacturer Guaranteed
69807	1st Prize Wheat and Grain Special	Manufacturer Guaranteed
69808	Blue Ribbon Corn and Wheat Grower	Manufacturer Guaranteed
69809	Blue Ribbon Tobacco Grower.....	Manufacturer Guaranteed
69810	1st Prize Formula.....	Manufacturer Guaranteed
90571	1st Prize Crop and Tobacco Grower	Latiff Fruit Co., Middlesboro..... Guaranteed
69812	1st Prize Tobacco and Vegetable Grower	Manufacturer Guaranteed
69813	1st Prize Phosphate Mixture.....	Manufacturer Guaranteed
69814	1st Prize Ammoniated Bone Phos- phate	Manufacturer Guaranteed
69815	Mogul Corn and Wheat Fertilizer..	Manufacturer Guaranteed
69816	Blue Ribbon Meal Mixture.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
13.30 13.00	0.30 2.00	13.60 15.00			0.79	0.79 0.41	0.96 0.50	1.68 1.00		25.3 23.1	69805
12.20 11.00	0.20 2.00	12.40 13.00			0.97	0.97 0.41	1.18 0.50	7.16 5.00		30.9 24.9	69806
12.90 12.00	0.15 2.00	13.05 14.00			1.33	1.33 0.82	1.61 1.00	2.91 1.00		28.2 22.1	69807
11.20 10.00	0.20 2.00	11.40 12.00			1.24	1.24 0.82	1.51 1.00	3.02 2.00		25.5 21.5	69808
11.20 10.00	0.20 2.00	11.40 12.00			1.24	1.24 0.82	1.51 1.00	3.02 2.00		25.5 21.5	69809
12.10 11.00	0.10 2.00	12.20 13.00			1.46	1.46 0.82	1.77 1.00	4.75 3.00		29.7 24.2	69810
8.30 8.00	0.40 2.00	8.70 10.00			0.61	1.02 0.82	1.24 1.00	3.71 4.00		21.1 20.9	90571
8.65 8.00	0.20 2.00	8.85 10.00			2.37	2.37 1.23	2.88 1.50		8.03 6.00	34.6 26.7	69812
12.95 12.00	0.20 2.00	13.15 14.00			0.91	0.91 0.41	1.10 0.50			23.2 20.4	69813
16.35 15.00	0.20 2.00	16.55 17.00			0.95	0.95 0.41	1.15 0.50			28.4 24.9	69814
13.90 12.00	0.20 2.00	14.10 14.00			1.49	1.49 0.82	1.81 1.00			26.9 22.1	69815
10.55 10.00	9.20 10.00	19.75 20.00			1.97	2.21 1.65	2.68 2.00			28.4 25.6	69816

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69817	Federal Chemical Co., Inc., Louis- ville, Ky.—Con. 1st Prize 16% Phosphate.....	Manufacturer Guaranteed
69818	1st Prize Phosphate.....	Manufacturer Guaranteed
69819	1st Prize Standard Phosphate.....	Manufacturer Guaranteed
69820	1st Prize Special Phosphate Mix- ture	Manufacturer Guaranteed
69821	1st Prize Raw Bone.....	Manufacturer Guaranteed
69822	Daybreak A-1 Champion.....	Manufacturer Guaranteed
90572 90573 90933 90934	†Daybreak Wheat and Corn Special	A. C. Hester, Sharon Grove..... A. W. Tarter, Columbia..... A. W. Tarter, Columbia..... A. C. Hester, Sharon Grove..... Guaranteed
69824	Daybreak Cracker Jack.....	Manufacturer Guaranteed
69825	Daybreak Special.....	Manufacturer Guaranteed
69826	Royal Wheat and Grain Special...	Manufacturer Guaranteed
69827	Daybreak Special Manure.....	Manufacturer Guaranteed
90576	Daybreak Tobacco Manure.....	Turner and Turnstill, Elkton..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
18.10 16.00	0.30	18.40								21.7 19.2	69817
15.35 14.00	0.40	15.75								18.4 16.8	69818
13.80 12.00	0.20	14.00								16.6 14.4	69819
12.15 10.00	11.90 10.00	24.05 20.00								14.6 12.0	69820
		24.95 22.00	73	27		3.37 3.71	4.09 4.50			38.4 36.8	69821
13.40 11.50	0.30 2.00	13.70 13.50			0.87	0.87 0.41	1.01 0.50	0.50	1.16	25.4 20.3	69822
11.35 11.25 10.70 10.85 11.00	2.70 0.45 1.20 4.35 2.00	14.05 11.70 11.90 15.20 13.00			0.22	0.49 0.45 0.48 0.48 0.41	0.59 0.55 0.58 0.58 0.50	1.15 0.98 1.06 0.88 1.00		21.5 20.0 19.7 21.0 20.1	90572 90573 90933 90934
13.30 13.00	0.30 2.00	13.60 15.00			0.79	0.79 0.41	0.96 0.50	1.68 1.00		25.3 23.1	90824
12.20 11.00	0.20 2.00	12.40 13.00			0.97	0.97 0.41	1.18 0.50	7.16 5.00		30.9 24.9	69825
12.90 12.00	0.15 2.00	13.05 14.00			1.33	1.33 0.82	1.61 1.00	2.91 1.00		28.2 22.1	69826
11.20 10.00	0.20 2.00	11.40 12.00			1.24	1.24 0.82	1.51 1.00	3.02 2.00		25.5 21.5	69827
9.40 10.00	5.40 2.00	14.80 12.00				0.80 0.82	0.97 1.00	1.80 2.00		21.6 21.5	90576

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90935	Federal Chemical Co., Inc., Louisville, Ky.—Con. Daybreak Favorite.....	Farmers Feed Co., Lebanon..... Guaranteed
90568	Standard Crop and Tobacco Grower	Northcutt and Bender, Independence.....
90569		A. W. Tarter, Columbia
90570		A. C. Hester, Sharon Grove..... Guaranteed
90577	Daybreak Tobacco Grower.....	Farmers Feed Co., Lebanon..... Guaranteed
69832	Daybreak High Grade Fertilizer...	Manufacturer
		Guaranteed
69833	Daybreak Vegetable Grower.....	Manufacturer
		Guaranteed
90579	Daybreak Special Tobacco Grower	A. Bresler, Son and Co., Owensboro..... Guaranteed
69835	Red Rooster Mixture.....	Manufacturer
		Guaranteed
69836	Daybreak Nitro-Phosphate.....	Manufacturer
		Guaranteed
69837	Royal Meal Mixture.....	Manufacturer
		Guaranteed
90273	Daybreak Half and Half Meal Mixture	I. H. Hummer and Co., Scottsville.....
90936		A. C. Hester, Sharon Grove..... Guaranteed
69839	Daybreak Potash Special.....	Manufacturer
		Guaranteed
69840	Daybreak Potash Mixture.....	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
11.50 11.00	1.15 2.00	12.65 13.00			0.28	0.97 0.82	1.18 1.00	2.98 3.00		25.2 24.2	90935
8.60 9.15 7.75 8.00	0.70 0.45 3.10 2.00	9.30 9.60 10.85 10.00			0.57 0.41	1.09 0.83 0.71 0.82	1.32 1.01 0.86 1.00	3.94 3.87 3.93 4.00		22.3 21.9 20.4 20.9	90568 90569 90570
8.60 8.00	1.35 2.00	9.95 10.00			1.03	1.51 1.65	1.83 2.00	1.68 2.00		21.5 21.8	90577
11.50 10.00	0.25 2.00	11.75 12.00			2.21	2.21 1.65	2.68 2.00	3.18 2.00		30.0 24.8	69832
10.50 8.00	0.20 2.00	10.70 10.00			2.17	2.17 1.65	2.63 2.00		6.12 5.00	33.7 26.9	69833
8.20 8.00	1.25 2.00	9.45 10.00			0.98	1.33 1.23	1.61 1.50	0.68	5.10 6.00	26.6 26.7	90579
12.95 12.00	0.20 2.00	13.15 14.00			0.91	0.91 0.41	1.10 0.50			23.2 20.4	69835
16.35 15.00	0.20 2.00	16.55 17.00			0.95	0.95 0.41	1.15 0.50			28.4 24.9	69836
12.35 10.00	8.00 10.00	20.35 20.00			0.98	1.20 0.82	1.46 1.00			26.5 22.3	69837
9.25 10.10 10.00	11.45 10.40 10.00	20.70 20.50 20.00			1.16 1.00	1.88 1.87 1.65	2.28 2.27 2.00			26.0 26.8 25.6	90273 90936
10.80 10.00	0.35	11.15						4.22 2.00		21.3 17.4	69839
10.65 10.00	0.25	10.90						6.25 4.00		23.5 19.8	69840

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69841	Federal Chemical Co., Inc., Louisville, Ky.—Con. Daybreak Potash Compound.....	Manufacturer Guaranteed
90274	†Daybreak 16% Phosphate.....	I. H. Hummer and Co., Scottsville.....
90580		Grayson County Supply Co., Leitchfield..
90937		A. W. Tarter, Columbia.....
90938		I. H. Hummer and Co., Scottsville..... Guaranteed
69843	Daybreak Royal Phosphate.....	Manufacturer Guaranteed
69844	Daybreak Standard Phosphate.....	Manufacturer Guaranteed
69845	Daybreak Special Phosphate Mix- ture	Manufacturer Guaranteed
69846	Daybreak Raw Bone.....	Manufacturer Guaranteed
90186	Field Packing Co., Owensboro, Ky. Raw Bone Meal.....	Manufacturer Guaranteed
90582	Ford Motor Co., Detroit, Mich. Ford Ammonium Sulphate.....	Sommers Hermann, Buechel..... Guaranteed
69847	Fox Chemical Co. Br. Federal Chemical Co., Inc., Louisville, Ky. Fox Ideal Fertilizer.....	Manufacturer Guaranteed
90939	Fox Blood, Bone Phosphate and Potash	J. N. Flowers, Russellville..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
14.35 12.00	0.25	14.60						3.66 2.00		25.9 20.4	69841
15.55 16.65 16.80 16.20 16.00	6.15 2.30 1.10 2.95	21.70 18.95 17.90 19.15								18.7 20.0 20.2 19.4 19.2	90274 90580 90937 90938
15.35 14.00	0.40	15.75								18.4 16.8	69843
13.80 12.00	0.20	14.00								16.6 14.4	69844
12.15 10.00	11.90 10.00	24.05 20.00								14.6 12.0	69845
		24.95 22.00	73	27		3.37 3.71	4.09 4.50			38.4 36.8	69846
		19.20 19.00	51	49		4.37 4.12	5.31 5.00			36.7 35.5	90186
						20.80 20.84	25.26 25.30			83.2 83.4	90582
13.40 11.50	0.30 2.00	13.70 13.50			0.87	0.87 0.41	1.01 0.50	0.50	1.16	25.4 20.3	69847
12.20 11.00	3.20 2.00	15.40 13.00				0.46 0.41	0.56 0.50	1.08 1.00		22.7 20.1	90939

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90275	Fox Chemical Co., Br. Federal Chemical Co., Inc., Louisville, Ky.—Con. Red Fox Grain and Grass Grower..	W. G. Hays, Waynesburg..... Guaranteed
69850	Fox Soil Builder.....	Manufacturer
90940	Fox Wheat and Grain Special.....	W. G. Hays, Waynesburg..... Guaranteed
90941	Fox Early Harvest.....	J. N. Flowers, Russellville..... Guaranteed
90277 90278	Early Harvest Tobacco Grower.....	A. P. Thompson, Horse Cave..... Bourbon Stamp, Scottsville..... Guaranteed
90942 90943 90944	†Fox Formula	Clem Keltner, Campbellsville..... W. G. Hays, Waynesburg..... J. N. Flowers, Russellville..... Guaranteed
90584	Fox Crop and Tobacco Grower.....	Staggs Bros. Co., Vanceburg..... Guaranteed
90279 90585	Fox Wheat and Corn Manure.....	W. G. Hays, Waynesburg..... W. S. McGuffin, Big Clifty..... Guaranteed
69858	Fox Tobacco Grower.....	Manufacturer
69859	Fox Wheat and Corn Grower.....	Manufacturer
69860	Fox Vegetable Grower.....	Manufacturer
90586	Fox Special Tobacco Grower.....	L. R. Hart, Big Clifty..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.95 11.00	1.20 2.00	12.15 13.00			0.21	0.43 0.41	0.52 0.50	0.96 1.00		19.8 20.1	90275
13.30 13.00	0.30 2.00	13.60 15.00			0.79	0.79 0.41	0.96 0.50	1.68 1.00		25.3 23.1	69850
12.00 12.00	1.50 2.00	13.50 14.00			0.44	0.80 0.82	0.97 1.00	1.17 1.00		23.2 22.1	90940
11.70 10.00	3.50 2.00	15.20 12.00			0.23	0.73 0.82	0.89 1.00	1.84 2.00		24.1 21.5	90941
10.75 14.90 10.00	3.70 1.90 2.00	14.45 16.80 12.00			0.43 0.29	1.02 0.88 0.82	1.24 1.07 1.00	2.34 2.02 2.00		24.5 29.1 21.5	90277 90278
11.35 11.30 11.60 11.00	1.40 1.55 3.30 2.00	12.75 12.85 14.90 13.00			0.42 0.44 0.22	0.78 0.87 0.80 0.82	0.95 1.06 0.97 1.00	2.93 3.06 3.55 3.00		24.2 24.7 26.2 24.2	90942 90943 90944
8.05 8.00	1.00 2.00	9.05 10.00			0.43	0.74 0.82	0.90 1.00	4.63 4.00		21.0 20.9	90584
8.65 8.30 8.00	0.90 0.60 2.00	9.55 8.90 10.00			1.40 1.14	1.88 1.58 1.65	2.28 1.92 2.00	2.39 2.06 2.00		23.7 21.5 21.8	90279 90585
9.60 8.00	0.30 2.00	9.90 10.00			2.14	2.14 1.65	2.60 2.00	3.02 2.00		26.7 21.8	69858
11.50 10.00	0.25 2.00	11.75 12.00			2.21	2.21 1.65	2.68 2.00	3.18 2.00		30.0 24.8	69859
10.50 8.00	0.20 2.00	10.70 10.00			2.17	2.17 1.65	2.63 2.00		6.12 5.00	33.7 26.9	69860
8.20 8.00	0.60 2.00	8.80 10.00			1.28	1.73 1.65	2.10 2.00	0.68 5.00	4.46 5.00	27.1 26.9	90586

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69862	Fox Chemical Co., Br. Federal Chemical Co., Inc., Louisville, Ky.—Con. Red Fox Mixture.....	Manufacturer Guaranteed
69863	Fox Ammoniated Phosphate.....	Manufacturer Guaranteed
90945	Fox Half and Half Meal Mixture	J. N. Flowers, Russellville..... Guaranteed
69865	Fox Potash Special.....	Manufacturer Guaranteed
69866	Fox Potash Mixture.....	Manufacturer Guaranteed
69867	Fox Potash Compound.....	Manufacturer Guaranteed
90280 90281 90587 90588 90946	Fox 16% Phosphate.....	Lessenberry and Jones, Glasgow..... A. P. Thompson, Horse Cave..... Tolesboro Supply Co., Tolesboro..... Clem Keltner, Campbellsville..... A. Beale and Son, Murray..... Guaranteed
69869	Fox Phosphate	Manufacturer Guaranteed
69870	Fox Standard Phosphate.....	Manufacturer Guaranteed
69871	Fox Special Phosphate Mixture....	Manufacturer Guaranteed
69872	Fox Raw Bone.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
12.95	0.20	13.15			0.91	0.91	1.10			23.2	69862
12.00	2.00	14.00				0.41	0.50			20.4	
16.35	0.20	16.55			0.95	0.95	1.15			28.4	69863
15.00	2.00	17.00				0.41	0.50			24.9	
9.65	10.15	19.80			0.76	1.58	1.92			24.9	90945
10.00	10.00	20.00				1.65	2.00			25.6	
10.80	0.35	11.15						4.22		21.3	69865
10.00								2.00		17.4	
10.65	0.25	10.90						6.25		23.5	69866
10.00								4.00		19.8	
14.35	0.25	14.60						3.66		25.9	69867
12.00								2.00		20.4	
17.00	2.70	19.70								20.4	90280
16.20	3.65	19.85								19.4	90281
18.85	1.30	20.15								22.6	90587
17.40	1.30	18.70								20.9	90588
16.30	2.60	18.90								19.6	90946
16.00										19.2	
15.35	0.40	15.75								18.4	69869
14.00										16.8	
13.80	0.20	14.00								16.6	69870
12.00										14.4	
12.15	11.90	24.05								14.6	69871
10.00	10.00	20.00								12.0	
		24.95	73	27		3.37	4.09			38.4	69872
		22.00				3.71	4.50			36.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69873	Globe Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky. Globe Good Grower Fertilizer.....	Manufacturer Guaranteed
90590	†Globe Blood, Bone Phosphate and Potash	J. B. Benjamine, Providence..... Pulley and Foley, Central City..... I. K. Miller and Sons, Campbellsville.... Vine Grove Feed Co., Vine Grove..... Guaranteed
90591		
90947		
90948		
69875	Globe Grain and Grass Grower.....	Manufacturer Guaranteed
69876	Globe Money-Maker.....	Manufacturer Guaranteed
69877	Globe High Grade Special.....	Manufacturer Guaranteed
69878	Globe Wheat and Grain Special....	Manufacturer Guaranteed
90282	Progress Corn and Wheat Grower..	A. L. Harmon and Son, Junction City.... A. P. Redwine, Wrigley..... E. O. Christie, Knifley..... E. L. Pearson, Auburn..... Guaranteed
90283		
90949		
90950		
90593	Braden Formula.....	T. J. Whittinghill, Fordsville..... K. R. C. Woosley, Caneyville..... Vine Grove Feed Co., Vine Grove..... Planters Hardware Co., Hopkinsville.... Guaranteed
90594		
90951		
90952		
90595	†Universal Crop and Tobacco Grower	Vine Grove Feed Co., Vine Grove..... S. A. Browning, Vanceburg..... Guaranteed
90596		
69883	Eagle Wheat and Corn Grower.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
13.40	0.30	13.70			0.87	0.87	1.01		1.16	25.4	69873
11.50	2.00	13.50				0.41	0.50	0.50		20.3	
10.90	4.05	14.95				0.48	0.58	1.13		21.3	90590
11.40	3.40	14.80				0.39	0.47	1.23		21.5	90591
12.00	1.40	13.40			0.20	0.45	0.55	0.90		21.4	90947
11.95	1.15	13.10				0.38	0.46	0.76	0.48	21.5	90948
11.00	2.00	13.00				0.41	0.50	1.00		20.1	
12.00	0.20	12.20			0.68	0.68	0.83	1.56		22.7	69875
11.00	2.00	13.00				0.41	0.50	1.00		20.1	
13.30	0.30	13.60			0.79	0.79	0.96	1.68		25.3	69876
13.00	2.00	15.00				0.41	0.50	1.00		23.1	
12.20	0.20	12.40			0.97	0.97	1.18	7.16		30.9	69877
11.00	2.00	13.00				0.41	0.50	5.00		24.9	
12.90	0.15	13.05			1.33	1.33	1.61	2.91		28.2	69878
12.00	2.00	14.00				0.82	1.00	1.00		22.1	
10.30	1.15	11.45			0.57	0.98	1.19	2.00		22.2	90282
11.05	1.30	12.35			0.64	1.08	1.31	1.78		23.6	90283
10.25	4.80	15.05			0.25	0.78	0.95	2.11		23.8	90949
11.30	3.50	14.80				0.71	0.86	1.62		23.1	90950
10.00	2.00	12.00				0.82	1.00	2.00		21.5	
11.55	1.40	12.95			0.51	0.90	1.09	2.81		24.9	90593
11.75	0.90	12.65			0.46	0.91	1.10	3.17		25.4	90594
11.55	1.25	12.80			0.48	0.82	1.00	2.86		24.5	90951
11.75	3.55	15.30				0.74	0.90	2.67		25.2	90952
11.00	2.00	13.00				0.82	1.00	3.00		24.2	
9.25	0.65	9.90			0.58	0.95	1.15	3.98		22.7	90595
8.25	1.05	9.30			0.50	0.88	1.07	3.61		20.7	90596
8.00	2.00	10.00				0.82	1.00	4.00		20.9	
9.60	0.30	9.90			2.14	2.14	2.60	3.02		26.7	69883
8.00	2.00	10.00				1.65	2.00	2.00		21.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90286 90287 90599	Globe Fert. Co., Br. Federal Chem. Co., Inc., Louisville Ky.—Con. †Big Four Tobacco Grower.....	Planters Hardware Co., Hopkinsville..... Stuarts Cash Grocery, Horse Cave..... Swaner Bros., Victory..... Guaranteed
90953 90954	Globe Wheat Grower.....	I. K. Miller and Sons, Campbellsville..... W. H. Lyon, Loretto..... Guaranteed
69886	Kentucky Tobacco Maker.....	Manufacturer
		Guaranteed
69887	Globe Soluble Vegetable Manure..	Manufacturer
		Guaranteed
90288 90289	Ky. Standard Tobacco Grower.....	Planters Hardware Co., Hopkinsville..... C. F. Shaw, Cave City..... Guaranteed
69889	Globe Special Tobacco Grower.....	Manufacturer
		Guaranteed
69890	Globe Gold Medal Mixture.....	Manufacturer
		Guaranteed
69891	Globe Grain-O-Phosphate.....	Manufacturer
		Guaranteed
90955 90956	Globe Half and Half Meal Mixture	Planters Hardware Co., Hopkinsville..... W. H. Lyon, Loretto..... Guaranteed
90600	Globe Potash Special.....	Williamsburg Hdw. Co., Williamsburg.... Guaranteed
69895	Globe Potash Compound.....	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.10	2.95	11.05			0.62	1.53	1.86	1.87		21.7	90286
7.90	1.30	9.20			0.98	1.58	1.92	2.46		21.6	90287
8.65	1.10	9.75			1.25	1.76	2.14	2.00		22.9	90599
8.00	2.00	10.00				1.65	2.00	2.00		21.8	
10.30	1.00	11.30			1.17	1.63	1.98	2.13		24.9	90953
11.30	3.05	14.35			0.42	1.37	1.66	1.89		25.9	90954
10.00	2.00	12.00				1.65	2.00	2.00		24.8	
11.50	0.25	11.75			2.21	2.21	2.68	3.18		30.0	69886
10.00	2.00	12.00				1.65	2.00	2.00		24.8	
10.50	0.20	10.70			2.17	2.17	2.63		6.12	33.7	69887
8.00	2.00	10.00				1.65	2.00		5.00	26.9	
8.00	4.30	12.30			1.03	1.63	1.98	4.74		25.9	90288
9.55	1.40	10.95			0.59	1.71	2.08	4.38		27.0	90289
8.00	2.00	10.00				1.65	2.00		5.00	26.9	
9.20	0.20	9.40			3.61	3.61	4.38		11.23	41.8	69889
8.00	2.00	10.00				2.47	3.00		10.00	37.7	
12.95	0.20	13.15			0.91	0.91	1.10			23.2	69890
12.00	2.00	14.00				0.41	0.50			20.4	
16.35	0.20	16.55			0.95	0.95	1.15			28.4	69891
15.00	2.00	17.00				0.41	0.50			24.9	
10.75	11.35	22.10			0.69	1.53	1.86			26.8	90955
11.25	10.75	22.00			0.67	1.38	1.68			26.7	90956
10.00	10.00	20.00				1.65	2.00			25.6	
9.75	0.65	10.40						2.04		17.1	90600
10.00								2.00		17.4	
14.35	0.25	14.60						3.66		25.9	69895
12.00								2.00		20.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90291 90292 90293 90958 90959	Globe Fert. Co., Br. Federal Chem. Co., Inc., Louisville Ky.—Con. Globe 16% Phosphate.....	Planters Hardware Co., Hopkinsville..... Stuarts Cash Grocery, Horse Cave..... C. F. Shaw, Cave City..... W. H. Lyon, Loretto..... Big Four Co., Franklin..... Guaranteed
69897	Globe Phosphate.....	Manufacturer
		Guaranteed
90601	Globe Standard Phosphate	J. O. Holt, Esto
		Guaranteed
69899	Globe Special Phosphate Mixture..	Manufacturer
		Guaranteed
90294 90602	Globe Raw Bone	Planters Hardware Co., Hopkinsville..... W. H. Lyon, Loretto
		Guaranteed
69749	Hall Seed Co., Louisville, Ky. Halco Tobacco Grower	Manufacturer
		Guaranteed
69750	Halco 16% Acid Phosphate.....	*
		Guaranteed
69751	Halco 20% Superphosphate	Manufacturer
		Guaranteed
69752	Halco Corn and Wheat Grower.....	Manufacturer
		Guaranteed
69753	Halco Potato Grower	Manufacturer
		Guaranteed
69754	Halco Vegetable Grower	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
17.05	3.05	20.10								20.5	90291
17.30	2.80	20.10								20.8	90292
16.85	2.55	19.40								20.2	90293
16.70	2.70	19.40								20.0	90958
16.05	3.30	19.35								19.3	90959
16.00										19.2	
15.35	0.40	15.75								18.4	69897
14.00										16.8	
13.95	7.85	21.80								16.7	90601
12.00										14.4	
12.15	11.90	24.05								14.6	69899
10.00	10.00	20.00								12.0	
		24.20	100			3.95	4.80			40.0	90294
		21.40	50	50		3.81	4.63			36.6	90602
		22.00				3.71	4.50			36.8	
11.00	2.20	13.20			0.73	0.96	1.17		1.94	24.1	69746
10.00	1.00	11.00				0.82	1.00	2.00		21.1	
16.00	0.50	16.50								19.2	69750
20.70	0.50	21.20								24.8	69751
20.00	0.50	20.50								24.0	
10.80	2.50	13.30			0.65	1.05	1.27			21.4	69752
10.00	1.00	11.00				0.82	1.00			18.7	
9.50	4.45	13.95			1.34	1.78	2.16			23.2	69753
10.00	1.00	11.00				1.65	2.00			22.0	
9.55	3.65	13.20			2.83	3.41	4.14			29.4	69754
10.00	1.00	11.00				3.29	4.00			28.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hall Seed Co., Louisville, Ky.— Con.	
69755	Haleo Special Tobacco Grower.....	Manufacturer Guaranteed
69756	Haleo Potato and Tobacco Grower..	Manufacturer Guaranteed
69757	Haleo Half Bone and Phosphate....	Manufacturer Guaranteed
69758	Haleo Bone Meal	Manufacturer Guaranteed
90073	Haleo Raw Bone	R. E. Clausen, Skylight..... Guaranteed
69760	Haleo High-grade Vegetable Grower	Manufacturer Guaranteed
69761	Haleo 2-16-2 Fertilizer	Manufacturer Guaranteed
69762	Haleo 4-16-4 Fertilizer	Manufacturer Guaranteed
	Hopkins Fertilizer Co., New Albany, Ind.	
90295	Hopkins Old Time Wheat and Corn grower	Emmet Shearer, Monticello Len Webb, Hawesville
90603		Emmet Shearer, Monticello
90960		McKenzie and Herrin, Eubank.....
90961		Guaranteed
90604	Hopkins Old Time Red Banner Special	C. C. Crabb & Co., Eminence..... I. K. Miller & Sons, Campbellsville..... Charlie Stone, Leitchfield..... Guaranteed
90605		
90606		

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.90 8.00	1.10 1.00	10.00 9.00			0.32	0.57 0.41	0.69 0.50	1.00	1.17	17.8 15.2	69755
8.65 8.00	1.50 1.00	10.15 9.00			1.54	1.86 1.65	2.26 2.00	3.00	3.10	25.7 22.6	69756
11.90 10.00	11.15 10.00	23.05 20.00				0.99 0.82	1.20 1.00			26.3 22.3	69757
		28.10 27.00	82	18		2.57 2.47	3.12 3.60			38.4 36.9	69758
		25.60 22.00	55	45		3.86 3.71	4.69 4.50			41.2 36.8	90073
9.25 8.00	3.85 1.00	13.10 9.00			1.70	2.69 2.47	3.27 3.00	0.68	5.55 6.00	35.3 31.3	69760
16.60 16.00	0.70 1.00	17.30 17.00			1.72	1.72 1.65	2.09 2.00	2.17 2.00		34.7 33.4	69761
16.75 16.00	0.80 1.00	17.55 17.00			3.40	3.40 3.29	4.13 4.00	4.30 4.00		44.2 42.4	69762
11.50 10.40 10.60 10.60 10.00	0.90 1.60 1.55 1.40 2.00	12.40 12.00 12.15 12.00 12.00			0.21 0.30 0.56	0.60 0.67 0.56 0.97 0.41	0.73 0.81 0.68 1.18 0.50	1.12 1.88 2.20 1.52 2.00	0.81 0.94 0.86 1.04	22.6 22.6 22.7 23.7 19.8	90295 90603 90960 90961
8.35 8.70 8.65 8.00	1.15 0.95 1.00 2.00	9.50 9.65 9.65 10.00			0.53 0.42 0.48	0.87 0.71 0.80 0.82	1.06 0.86 0.97 1.00	2.56 2.98 2.80 3.00	0.71 0.59	20.6 19.9 20.8 19.7	90604 90605 90606

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90296 90607 90608	Hopkins Fertilizer Co., New Albany, Ind.—Con. Hopkins Old Time Ky. Winner.....	Emmet Shearer, Monticello C. C. Crabb & Co., Eminence Crawford & Snyder, Milton..... Guaranteed
90609	Hopkins Old Time Superior	S. M. Long & Sons, Shelbyville..... Guaranteed
69984	Hopkins Old Time Plant Food Special	Manufacturer Guaranteed
90297 90610 90611	Hopkins Old Time Burley Grower..	C. M. Langdon, Science Hill..... Len Webb, Hawesville..... C. C. Crabb & Co., Eminence..... Guaranteed
90298 90612	Hopkins Old Time Tomato Grower	Emmet Shearer, Monticello..... Lewisport Mill Co., Lewisport..... Guaranteed
69987	Hopkins Old Time Ten-Ten.....	Manufacturer Guaranteed
69988	Hopkins Old Time 2-8-8-2.....	Manufacturer Guaranteed
90613	Hopkins Old Time Potato Grower.	Buechel Produce Exchange, Buechel.... Guaranteed
69990	Hopkins Old Time Bone Tankage Mix	Manufactured Guaranteed
69991	Hopkins Old Time 20% Phosphate	Manufacturer Guaranteed
90299 90614 90962	Hopkins Old Time Climax Acid Phosphate	C. M. Langdon, Science Hill..... Len Webb, Hawesville..... McKenzie & Herrin, Eubank..... Guaranteed

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90963	Hopkins Fertilizer Co., New Albany, Ind.—Con. Hopkins Old Time Pure Raw Bone	Emmet Shearer, Monticello Guaranteed
69994	Sulphate of Ammonia	Manufacturer Guaranteed
69995	Muriate of Potash	Manufacturer Guaranteed
69996	Nitrate of Soda	Manufacturer Guaranteed
90153	Hopkins Old Time Half and Half	Manufacturer Guaranteed
90193	Hopkins Old Time Ky. Tobacco Grower	Manufacturer Guaranteed
90194	Hopkins Old Time High-grade Tobacco Grower	Manufacturer Guaranteed
90964	Hopkins Old Time Half and Half..	Emmet Shearer, Monticello..... Guaranteed
90965	Hopkins Old Time Royal Grain Grower	McKenzie & Herrin, Eubank..... Emmet Shearer, Monticello..... Guaranteed
69923	International Ag. Corp., Inc., Cincinnati, Ohio., Memphis, Tenn. I. A. C. Truck and Potato Special..	* Guaranteed
69924	I. A. C. Tobacco and Potato Grower	* Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
		23.25 21.50	50	50		4.01 3.50	4.87 4.25			39.3 35.5	90963
						20.96 20.60	25.44 25.00			83.8 82.4	69994
								53.00 50.00		64.6 60.0	69995
						16.00 14.83	19.42 18.00			64.0 59.3	69996
6.40 6.00	4.90 6.00	11.30 12.00			0.24	1.94 1.65	2.36 2.00	0.96 1.00	0.68	21.5 19.2	90153
6.60 6.00	1.25 2.00	7.85 8.00			0.22	1.87 1.65	2.27 2.00	1.88 2.00	1.16	21.9 18.8	90193
7.70 8.00	1.55 2.00	9.25 10.00				0.99 0.82	1.20 1.00	1.00 1.00	0.75	18.5 17.3	90194
7.15 6.00	4.90 6.00	12.05 12.00			0.91	2.32 1.65	2.82 2.00	2.92 3.00	0.51	26.2 21.6	90964
10.75 11.00 10.00	0.80 1.00 2.00	11.55 12.00 12.00			1.04 0.88	1.39 1.29 1.23	1.69 1.57 1.50	2.24 1.80 3.00	1.00 1.07	26.2 25.8 24.3	90965 90966
8.00	2.00	10.00				1.65	2.00	10.00		31.4	69923
8.00	2.00	10.00				2.47	3.00		6.00	31.7	69924

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90300	International Ag. Corp., Inc., Cincinnati, Ohio, Memphis, Tenn.—Con. I. A. C. High-grade Tobacco Special	McKenzie & Herrin, Eubank.....
90301		C. M. Langdon, Science Hill..... Guaranteed
90615	I. A. C. Crop Grower	Lynch & Willis, Leitchfield..... Guaranteed
90616	I. A. C. Grain Grower	Lynch & Willis, Leitchfield.....
90617		Walton Sanitary Flour Mills, Walton.... Guaranteed
69928	I. A. C. Standard Fertilizer.....	* Guaranteed
90618	I. A. C. Grain and Grass Grower....	W. E. Ellis & Bro., Hartford.....
90619		J. W. Bratcher, Berea.....
90967		C. M. Langdon, Science Hill..... Guaranteed
69930		* Guaranteed
69931	I. A. C. 20% Acid Phosphate.....	* Guaranteed
90302	I. A. C. 16% Acid Phosphate.....	Eldred Hardware Co., Princeton.....
90303		Coffey & Von Hook, Moreland.....
90620		W. E. Ellis & Bro., Hartford.....
90621		J. W. Bratcher, Berea.....
90968		C. M. Langdon, Science Hill..... Guaranteed
90969	†Lime and Phosphate Special.....	C. M. Langdon, Science Hill..... Guaranteed
69933	Buffalo Truck and Potato Special..	* Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.60	1.10	11.70			0.94	1.66	2.02	1.24	3.11	29.1	90300
10.40	1.30	11.70			0.86	1.53	1.86	0.72	3.50	28.4	90301
10.00	2.00	12.00				1.65	2.00		4.00	28.4	
13.70	1.25	14.95			1.18	1.62	1.97	1.99		29.9	90615
12.00	2.00	14.00				1.65	2.00	2.00		27.8	
11.30	1.10	12.40			0.42	0.84	1.02	3.29		24.7	90616
10.70	1.00	11.70			0.93	1.32	1.60	2.55		24.8	90617
10.00	2.00	12.00				0.82	1.00	3.00		22.7	
8.00	2.00	10.00				1.65	2.00	2.00		21.8	69928
9.40	1.20	10.60			0.59	0.83	1.01	1.88		20.2	90618
9.00	0.90	9.90			0.49	0.76	0.92	2.83		20.3	90619
8.00	0.80	8.80			0.43	0.77	0.93	1.97		17.8	90967
8.00	2.00	10.00				0.82	1.00	2.00		18.5	
10.00								5.00		21.0	69930
20.00										24.0	69931
17.25	1.65	18.90								20.7	90302
16.30	1.50	17.80								19.6	90303
16.50	2.30	18.80								19.8	90620
16.30	2.60	18.90								19.6	90621
16.30	1.70	18.00								19.6	90968
16.00										19.2	
12.90	1.20	14.10								15.5	90969
13.00										15.6	
8.00	2.00	10.00				1.65	2.00	10.00		31.4	69933

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69934	International Ag. Corp., Inc., Cincinnati, Ohio, Memphis, Tenn.—Con. Buffalo Tobacco and Potato Special	* Guaranteed
69935	Buffalo High-grade Tobacco Special	* Guaranteed
69936	Buffalo Crop Grower	* Guaranteed
69937	Buffalo Grain Grower	* Guaranteed
90622	Buffalo Standard Fertilizer.....	London Hardware Co., London..... Guaranteed
69940	Buffalo 10-5	* Guaranteed
69941	Buffalo 20% Acid Phosphate.....	* Guaranteed
90623 90972	Buffalo 16% Acid Phosphate.....	London Hardware Co., London..... W. F. Grainger, Franklin..... Guaranteed
69943	Buffalo Bone Meal	* Guaranteed
69944	Multiple Strength 4-24-12	* Guaranteed
69945	Multiple Strength 4-16-20.....	* Guaranteed
90625	Multiple Strength 0-20-20.....	V. B. Nuckols, Elkton..... Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.00	2.00	10.00				2.47	3.00		6.00	31.7	69934
10.00	2.00	12.00				1.65	2.00		4.00	28.4	69935
12.00	2.00	14.00				1.65	2.00	2.00		27.8	69936
10.00	2.00	12.00				0.82	1.00	3.00		22.7	69937
7.55	1.40	8.95			1.07	1.55	1.88	2.24		20.8	90622
8.00	2.00	10.00				1.65	2.00	2.00		21.8	
10.00								5.00		21.0	69940
20.00										24.0	69941
16.90	2.80	19.70								20.3	90623
17.10	2.10	19.20								20.5	90972
16.00										19.2	
		29.00				1.85	2.25			36.4	69943
24.00	2.00	26.00				3.29	4.00	12.00		64.4	69944
16.00	2.00	18.00				3.29	4.00	20.00		62.0	69945
20.10	1.60	21.70						19.98		54.1	90625
20.00								20.00		54.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90626	International Ag. Corp., Inc., Cincinnati, Ohio, Memphis, Tenn.—Con. Multiple Strength 0-24-12	V. B. Nuckols, Elkton..... Guaranteed
69949	Nitrate of Soda	* Guaranteed
69950	Muriate of Potash	* Guaranteed
69730	Jarecki Chem. Co. (Armour owned), Louisville, Cincinnati, Nashville. Jarecki's 1-8-1 Fertilizer	Manufacturer
90628	Jarecki's 1-12-1 Fertilizer	Guaranteed
90629	Jarecki's 2-8-2 Fertilizer	L. T. Clore & Son, Burlington..... Guaranteed
69733	Jarecki's 0-12-4 Fertilizer.....	F. F. Dudley, Flemingsburg..... Guaranteed
69734	Jarecki's 2-12-0 Fertilizer	Manufacturer
90630	Jarecki's 2-10-4 Fertilizer	Guaranteed
90973		Farmers Supply Co., Versailles..... G. F. Albright, Elgin..... Guaranteed
90974	Jarecki's 2-12-2 Fertilizer.....	Manufacturer
69737	Jarecki's 2-12-6 Fertilizer	Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
24.40 24.00	1.65	26.05						12.90 12.00		52.1 50.4	90626
						14.83	18.00			59.3	69949
								50.00		60.0	69950
8.90 8.00	6.80 1.00	15.70 9.00			0.66	0.95 0.82	1.15 1.00	1.05 1.00		21.1 16.9	69730
13.45 12.00	1.40 1.00	14.85 13.00			0.58	0.86 0.82	1.04 1.00	1.49 1.00		26.0 22.9	90628
8.80 8.00	0.50 1.00	9.30 9.00			1.39	1.61 1.65	1.95 2.00	2.01 2.00		23.3 21.4	90629
11.70 12.00	0.90 0.50	12.60 12.50						4.04 4.00		22.4 22.8	69733
13.35 12.00	7.60 1.00	20.95 13.00			1.47	1.83 1.65	2.22 2.00			30.4 25.0	69734
10.95 10.40 10.00	0.65 1.10 1.00	11.60 11.50 11.00			1.51 1.45	1.51 1.45 1.65	1.83 1.76 2.00	3.50 3.60 4.00		26.9 26.2 26.8	90630 90973
12.40 12.00	0.70 1.00	13.10 13.00			1.60	1.60 1.65	1.94 2.00	2.31 2.00		28.1 27.4	90974
12.40 12.00	1.00 1.00	13.40 13.00			1.92	1.92 1.65	2.33 2.00	6.03 6.00		33.9 32.2	69737

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90631	Jarecki Chem. Co., (Armour owned), Louisville, Cincin- nati, Nashville.—Con. Jarecki's 2-16-2 Fertilizer	Geo. C. Goode, Covington Guaranteed
69739	Jarecki's 2-16-8 Fertilizer	Manufacturer Guaranteed
69740	Jarecki's 4-16-4 Fertilizer	Manufacturer Guaranteed
90632 90633 90975	Jarecki's 16% Acid Phosphate.....	Geo. C. Goode, Covington E. L. Payne, Gradyville..... G. F. Albright, Elgin..... Guaranteed
90634	Jarecki's 20% Superphosphate.....	Geo. C. Goode, Covington..... Guaranteed
69743	Jarecki's Plant Bed Special.....	Manufacturer Guaranteed
90635 90636 90637 90638	Jarecki's Burley Tobacco Grower	John S. Reordon, Simpsonville J. C. Ramsey, Mt. Sterling..... E. L. Payne, Gradyville Farmers Supply Co., Versailles..... Guaranteed
69745	Jarecki's Potato Grower	Manufacturer Guaranteed
69746	Jarecki's Dark Tobacco Grower...	Manufacturer Guaranteed
69747	Jarecki's Bone Meal	Manufacturer Guaranteed
69748	Jarecki's Raw Bone.....	Manufacturer Guaranteed
90169	Jarecki's 0-14-4 Fertilizer	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
15.40	0.75	16.15			1.26	1.53	1.86	2.49		32.5	90631
16.00	1.00	17.00				1.65	2.00	2.00		33.4	
16.70	0.65	17.35			1.64	1.64	1.99	8.95		42.6	69739
16.00	1.00	17.00				1.65	2.00	8.00		40.6	
16.75	0.80	17.55			3.40	3.40	4.13	4.30		44.2	69740
16.00	1.00	17.00				3.29	4.00	4.00		42.4	
15.75	1.25	17.00								18.8	90632
16.35	1.20	17.55								19.6	90633
16.55	1.90	18.45								19.9	90975
16.00	0.50	16.50								19.2	
20.65	0.80	21.45								24.8	90634
20.00	0.50	20.50								24.0	
10.70	0.50	11.20			2.37	3.48	4.22		3.29	34.1	69743
8.00	1.00	9.00				3.29	4.00		3.00	30.1	
8.55	0.65	9.20			1.55	2.36	2.87	0.72	4.82	30.6	90635
8.70	0.60	9.30			1.59	2.67	3.24	0.60	4.87	32.0	90636
8.15	0.50	8.65			1.64	2.40	2.91	0.76	5.32	30.9	90637
9.00	0.50	9.50			1.48	2.42	2.94	0.80	4.77	31.5	90638
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
9.25	3.85	13.10			1.70	2.69	3.27	0.68	5.55	35.3	69745
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
9.10	4.10	13.20			1.09	1.78	2.16	0.88	3.10	28.1	69746
8.00	1.00	9.00				1.65	2.00		4.00	25.0	
		28.10	82	18		2.57	3.12			38.4	69747
		27.00				2.47	3.00			36.9	
		23.50	100			4.05	4.92			39.7	69748
		22.00				3.71	4.50			36.8	
14.30	4.30	18.60						4.18		28.2	90169
14.00	0.50	14.50						4.00		25.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90170	Jarecki Chem. Co., (Armour owned) Louisville, Cincinnati, Nashville. —Con. Jarecki's 0-10-10 Fertilizer.....	Manufacturer Guaranteed
90639 90640	Jarecki's Indian Br. Tobacco and Potato Grower	Fremd & Berry Co., Eminence..... J. C. Ramsey, Mt. Sterling..... Guaranteed
90172	Jarecki's 3-8-6 Fertilizer	Manufacturer Guaranteed
90173	Jarecki's 1-8-4 Fertilizer	Manufacturer Guaranteed
90430	Jarecki's Special Mixture.....	Manufacturer Guaranteed
90782	Jarecki's 3-18-3 Fertilizer.....	Manufacturer Guaranteed
90304 90305 90306 90976	Joslin-Schmidt Corp. (Groves Fert. Works), Cincinnati, Ohio. Square Brand 2-12-2	Yopp Seed Co., Paducah Wilson, Winn & Co., Russellville..... G. M. Hedrick, Monticello..... W. L. Anderson & Son, Caneyville..... Guaranteed
90307 90308 90641	Square Brand 3-8-6.....	G. M. Hedrick, Monticello..... D. E. Patterson, Hodgenville..... Irvington Hdw. & Impl. Co., Irvington... Guaranteed
90309 90310	Square Brand 2-12-6	G. M. Hedrick, Monticello..... R. D. Robertson, Mayfield..... Guaranteed
90642	Square Brand 3-12-4	J. C. Everett & Co., Maysville..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
11.10 10.00	1.80 0.50	12.90 10.50						11.02 10.00		29.9 27.0	90170
9.15 10.25 8.00	0.60 0.35 1.00	9.75 10.60 9.00			1.53 1.92	2.29 2.26 2.47	2.78 2.74 3.00	1.04 8.61	4.86 6.00	31.7 34.9 31.3	90639 90640
8.25 8.00	0.45 1.00	8.70 9.00			1.71	2.42 2.47	2.94 3.00	1.16 6.00	5.11	31.3 29.5	90172
8.80 8.00	2.50 1.00	11.30 9.00			0.82	0.82 0.82	1.00 1.00	4.10 4.00		22.4 20.5	90173
10.65 10.00	1.00 1.00	11.65 11.00			2.18	2.42 2.47	2.94 3.00	10.74 10.00		39.0 37.3	90430
19.20 18.00	0.80 1.00	20.00 19.00			2.64	2.64 2.47	3.20 3.00	3.33 3.00		43.7 40.9	90782
12.30 12.85 12.30 12.65 12.00	1.30 1.10 1.00 1.10 1.00	13.60 13.95 13.30 13.75 13.00			1.03 1.03 1.17 1.24	1.59 1.61 1.61 1.68 1.65	1.93 1.95 1.95 2.04 2.00	2.46 2.34 2.27 1.93 2.00		28.3 29.0 28.0 28.5 27.4	90304 90305 90306 90976
9.30 8.35 8.90 8.00	1.00 0.90 0.50 1.00	10.30 9.25 9.40 9.00			1.47 1.20 1.40	2.24 2.28 2.54 2.47	2.72 2.77 3.08 3.00	1.28 1.72 1.12 6.00	4.21 4.20 4.41	31.2 30.4 31.7 31.3	90307 90308 90641
12.10 12.65 12.00	1.00 1.15 1.00	13.10 13.80 13.00			1.15 1.05	1.78 1.65 1.65	2.16 2.00 2.00	6.30 5.82 6.00		33.2 33.0 32.2	90309 90310
12.80 12.00	1.20 1.00	14.00 13.00			1.66	2.25 2.47	2.73 3.00	6.32 4.00		36.3 33.1	90642

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90312	Joslin-Schmidt Corp., (Groves Fert. Works), Cincinnati, Ohio.—Con. †Square Brand 2-8-16.....	Yopp Seed Co., Paducah Guaranteed
90313 90643 90644	Square Brand 1-8-4.....	Wilson, Winn & Co., Russellville..... I. K. Miller & Sons, Campbellsville..... D. L. D. Sandefer, Beaver Dam..... Guaranteed
90314 90645	Square Brand 0-10-5	Wilson, Winn & Co., Russellville..... J. C. Everett & Co., Maysville..... Guaranteed
69593	Square Brand 0-10-10	Manufacturer Guaranteed
69594	Square Brand 0-14-4	Manufacturer Guaranteed
69595	Square Brand 0-12-12	Manufacturer Guaranteed
69596	Square Brand 0-8-24.....	Manufacturer Guaranteed
90315 90316 90317 90646 90977 90978	16% Acid Phosphate	Wilson, Winn & Co., Russellville..... G. M. Hedrick, Monticello..... R. D. Robertson, Mayfield..... I. K. Miller & Sons, Campbellsville..... H. D. Jones, Glasgow..... J. C. Everett & Co., Maysville..... Guaranteed
90318 90319 90647	20% Acid Phosphate	Wilson, Winn & Co., Russellville..... H. D. Jones, Glasgow..... I. K. Miller & Sons, Campbellsville..... Guaranteed
90648 90979	Regular Bone Mixture.....	Aaron L. Moore, Leitchfield D. L. D. Sandefer, Beaver Dam..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
7.85	1.60	9.45			0.71	1.88	2.28	15.87		39.0	90312
8.00	1.00	9.00				1.65	2.00	16.00		38.2	
8.15	0.60	8.75			0.52	0.87	1.06	4.45		21.3	90313
9.05	0.85	9.90			0.60	0.88	1.07	3.80		22.0	90643
7.80	0.80	8.60			0.51	0.75	0.91	8.13		24.8	90644
8.00	1.00	9.00				0.82	1.00	4.00		20.5	
10.40	0.50	10.90						5.56		22.3	90314
11.35	0.65	12.00						5.69		23.9	90645
10.00	1.00	11.00						5.00		21.0	
10.50	0.40	10.90						10.18		28.0	69593
10.00	1.00	11.00						10.00		27.0	
14.30	0.80	15.10						4.62		27.0	69594
14.00	1.00	15.00						4.00		25.8	
12.26	0.80	13.05						13.04		34.0	69595
12.00	1.00	13.00						12.00		32.4	
7.60	0.50	8.10						26.42		43.1	69596
8.00	1.00	9.00						24.00		40.8	
17.30	0.90	18.20								20.8	90315
16.40	1.20	17.60								19.7	90316
15.55	1.25	16.80								18.7	90317
15.90	1.15	17.05								19.1	90646
16.85	1.30	18.15								20.2	90977
18.50	1.10	19.60								22.2	90978
16.00	1.00	17.00								19.2	
20.75	2.20	22.95								24.9	90318
21.20	2.00	23.20								25.4	90319
20.70	1.60	22.30								24.8	90647
20.00	1.00	21.00								24.0	
10.10	8.10	18.20			0.39	1.75	2.12	2.19		28.0	90648
8.00	8.25	16.25			0.37	1.55	1.88	2.66		24.7	90979
8.00	8.00	16.00				1.65	2.00	2.00		24.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90980	Joslin-Schmidt Corp., (Graves Fert. Works), Cincinnati, Ohio.—Con. Special Bone Mixture	Cayce-Yost Co., Hopkinsville..... Guaranteed
90320	2-27 Bone	Yopp Seed Co., Paducah
90321	"	H. D. Jones, Glasgow
90649	"	Minges Hardware Co., Newport.....
90981	"	Cayce-Yost Co., Hopkinsville..... Guaranteed
90322	Raw Bone	G. M. Hedrick, Monticello.....
90650	"	Aaron L. Moore, Leitchfield
		Guaranteed
69603	Sulphate of Ammonia	Manufacturer
		Guaranteed
90323	Nitrate of Soda	H. D. Jones, Glasgow
		Guaranteed
69605	Muriate of Potash	Manufacturer
		Guaranteed
69901	Kentucky Fertilizer Co., Br. Fed- eral Chem. Co., Louisville, Ky. O. K. Special Mixture.....	Manufacturer
		Guaranteed
90651	O. K. Grain Grower	Lonnie Jackson, Caneyville.....
		Guaranteed
90653	†O. K. Corn, Wheat and Oats Grower	L. R. Hart, Big Clifty.....
		Guaranteed
69904	O. K. Old Reliable.....	Manufacturer
		Guaranteed
69905	O. K. Special	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.80 10.00	11.80 10.00	21.60 20.00			0.59	1.13 0.82	1.37 1.00	4.91 5.00		29.8 28.3	90980
		30.10 29.95 29.50 27.80 27.00	83 81 77 82	17 19 23 18		1.70 1.71 1.97 2.76 1.65	2.06 2.08 2.39 3.35 2.00			36.9 36.8 37.4 38.9 33.6	90320 90321 90649 90981
		26.60 24.30 22.00	51 70	49 30		3.27 3.71 3.71	3.97 4.50 4.50			39.7 39.1 36.8	90322 90650
						20.84 20.60	25.30 25.00			83.4 82.4	69603
						15.68 15.65	19.04 19.00			62.7 62.6	90323
								51.16 50.00		61.4 60.0	69605
13.40 11.50	0.30 2.00	13.70 13.50			0.87	0.87 0.41	1.01 0.50	0.50	1.16	25.4 20.3	69901
11.25 11.00	1.15 2.00	12.40 13.00			0.20	0.42 0.41	0.51 0.50	1.19 1.00		20.5 20.1	90651
13.20 11.00	0.50 2.00	13.70 13.00				0.28 0.41	0.34 0.50	0.70 1.00		22.0 20.1	90653
13.30 13.00	0.30 2.00	13.60 15.00			0.79	0.79 0.41	0.96 0.50	1.68 1.00		25.3 23.1	69904
12.20 11.00	0.20 2.00	12.40 13.00			0.97	0.97 0.41	1.18 0.50	7.16 5.00		30.9 24.9	69905

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90654	Kentucky Fertilizer Co., Br. Federal Chem. Co., Louisville, Ky. —Con. O. K. Wheat and Grain Special....	Chiles Thompson Co., Mt. Sterling..... Guaranteed
90982	O. K. Corn and Wheat Grower....	H. E. Beck, Murl..... Guaranteed
90655 90656	O. K. Tobacco Fertilizer	Burg Kinner, Greenup..... J. S. Bottom, Russell Springs..... Guaranteed
90324	O. K. High-grade Mixture.....	Henderson & Hardy Co., Shepherdsville Guaranteed
90658 90659	Golden Leaf Tobacco Grower.....	L. R. Hart, Big Clifty..... J. E. Smith, Dixon
69912	O. K. High-grade Fertilizer	Manufacturer
69913	O. K. Tobacco and Vegetable Grower	Guaranteed
69914	O. K. Mixture	Manufacturer
69915	O. K. Ammoniated Phosphate.....	Guaranteed
69916	O. K. Half and Half Meal Mixture	Manufacturer
69917	O. K. Potash Special.....	Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
12.40 12.00	1.70 2.00	14.30 14.00			0.51	1.00 0.82	1.21 1.00	0.93 1.00		24.4 22.1	90654
9.90 10.00	1.40 2.00	11.30 12.00			0.61	0.97 0.82	1.18 1.00	2.24 2.00		22.0 21.5	69907
10.15 9.75 10.00	1.00 4.00 2.00	11.15 13.75 12.00			0.53 0.21	0.91 0.74 0.82	1.10 0.90 1.00	2.04 2.13 2.00		21.7 21.8 21.5	90655 90656
10.90 11.00	0.95 2.00	11.85 13.00			0.51	0.99 0.82	1.20 1.00	3.22 3.00		24.6 24.2	90324
9.20 8.55 8.00	0.50 3.35 2.00	9.70 11.90 10.00			1.06 0.50	1.48 1.62 1.65	1.80 1.97 2.00	2.00 1.88 2.00		22.3 22.9 21.8	90658 90659
11.50 10.00	0.25 2.00	11.75 12.00			2.21	2.21 1.65	2.68 2.00	3.18 2.00		30.0 24.8	69912
8.65 8.00	0.20 2.00	8.85 10.00			2.37	2.37 1.23	2.88 1.50		8.03 6.00	34.6 26.7	69913
12.95 12.00	0.20 2.00	13.15 14.00			0.91	0.91 0.41	1.10 0.50			23.2 20.4	69914
16.35 15.00	0.20 2.00	16.55 17.00			0.95	0.95 0.41	1.15 0.50			28.4 24.9	69915
10.55 10.00	9.20 10.00	19.75 20.00			1.97	2.21 1.65	2.68 2.00			28.4 25.6	69916
10.80 10.00	0.35	11.15						4.22 2.00		21.3 17.4	69917

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Kentucky Fertilizer Co., Br. Federal Chem. Co., Louisville, Ky.—Con.	
90325	O. K. 16% Phosphate.....	Farmers Supply Co., Paducah
90326		Henderson & Hardy Co., Shepherdsville.....
90660		Chiles Thompson Co., Mt. Sterling.....
90661		Burg Kinner, Greenup
90983		Guenther Hdw. Co., Owensboro.....
		Guaranteed
69919	O. K. Phosphate.....	Manufacturer
		Guaranteed
69920	O. K. Standard Phosphate.....	Manufacturer
		Guaranteed
69921	O. K. Special Phosphate Mixture..	Manufacturer
		Guaranteed
	Knoxville Fertilizer Co., Knoxville, Tenn.	
90327	Knox Magnesia Phosphate.....	W. B. Robertson, Adairville.....
90328		Hudson & Davis, Danville.....
90329		F. H. Gordon, Richmond.....
90984		W. W. Taylor, Somerset.....
		Guaranteed
90330	Basic 10-0-4	W. B. Robertson, Adairville.....
90331		F. H. Gordon, Richmond.....
90985		W. W. Taylor, Somerset.....
90986		W. B. Robertson, Adairville.....
		Guaranteed
90052	Basic Bonemix	Manufacturer
		Guaranteed
90332	Knox Vegetable Special.....	W. W. Taylor, Somerset.....
90663		Bobannon & Stedman, Versailles.....
		Guaranteed
90333	Bright Burley Brand	F. H. Gordon, Richmond.....
90334		Hudson & Davis, Danville.....
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
16.10	6.25	22.35								19.3	90325
16.85	0.60	17.45								20.2	90326
17.25	1.35	18.60								20.7	90660
17.20	1.40	18.60								20.6	90661
16.70	2.40	19.10								20.0	90983
16.00										19.2	
15.35	0.40	15.75								18.4	69919
14.00										16.8	
13.80	0.20	14.00								16.6	69920
12.00										14.4	
12.15	11.90	24.05								14.6	69921
10.00	10.00	20.00								12.0	
17.05	1.65	18.70								20.5	90327
16.70	1.85	18.55								21.0	90328
15.80	1.60	17.40								19.0	90329
16.40	1.90	18.30								19.7	90984
16.00										19.2	
11.05	2.55	13.60						4.29		21.7	90330
10.90	3.15	14.05						3.90		21.0	90331
9.95	0.75	10.70						4.36		20.2	90985
10.30	0.80	11.10						4.29		20.6	90986
10.00								4.00		19.8	
10.45	3.25	13.70			0.43	1.67	2.03	2.44		26.6	90052
10.00						1.65	2.00	2.00		24.0	
9.15	3.40	12.55			0.90	1.50	1.82	3.80		25.7	90332
8.75	3.85	12.60			0.92	1.58	1.92	3.72		25.5	90663
8.00						1.65	2.00	4.00		23.4	
10.60	1.20	11.80			1.40	1.92	2.32	3.56	0.98	29.8	90333
9.55	1.60	11.15			1.30	1.85	2.25	2.28	1.89	28.0	90334
9.00						2.00	2.43	3.00		25.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90335	Knoxville Fertilizer Co., Knoxville, Tenn.—Con. Dark Tobacco Brand	W. B. Robertson, Adairville..... Guaranteed
90191	Sulphate of Ammonia	Manufacturer
		Guaranteed
69688	Louisville Fertilizer Co. (Armour owned), Louisville, Cincinnati, Nashville. Louisville 1-8-1 Fertilizer.....	Manufacturer
		Guaranteed
69689	Louisville 1-12-1 Fertilizer.....	Manufacturer
		Guaranteed
90336	Louisville 2-8-2 Fertilizer	J. W. Hicks, Upton.....
		Guaranteed
69691	Louisville 0-12-4 Fertilizer.....	Manufacturer
		Guaranteed
69693	Louisville 2-12-0 Fertilizer.....	*
		Guaranteed
90851	Louisville 2-12-2 Fertilizer	Hutcheson & Simpson, Frazer.....
		Guaranteed
69695	Louisville 2-12-6 Fertilizer.....	Manufacturer
		Guaranteed
69696	Louisville 2-16-2 Fertilizer.....	Manufacturer
		Guaranteed
90664	Louisville 2-16-8 Fertilizer.....	Lee Long, Bagdad.....
		Guaranteed
69698	Louisville 4-16-4 Fertilizer.....	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.20 9.00	1.45	11.65			1.21	1.97 2.00	2.39 2.43	3.65 4.00		28.1 26.3	90335
						20.88 19.77	25.34 24.00			83.5 79.1	90191
8.90 8.00	6.80 1.00	15.70 9.00			0.66	0.95 0.82	1.15 1.00	1.05 1.00		21.1 16.9	69688
12.90 12.00	7.05 1.00	19.95 13.00			0.65	0.94 0.82	1.14 1.00	1.20 1.00		27.4 22.9	69689
8.25 8.00	0.45 1.00	8.70 9.00			1.41	1.63 1.65	1.98 2.00	2.20 2.00		21.7 21.4	90336
11.70 12.00	0.90 0.50	12.60 12.50						4.04 4.00		22.4 22.8	69691
12.00	1.00	13.00				1.65	2.00			25.0	69693
12.50 12.00	7.80 1.00	20.30 13.00			1.63	1.63 1.65	1.98 2.00	2.10 2.00		30.9 27.4	90851
12.40 12.00	1.00 1.00	13.40 13.00			1.92	1.92 1.65	2.33 2.00	6.03 6.00		33.9 32.2	69695
16.60 16.00	0.70 1.00	17.30 17.00			1.72	1.72 1.65	2.09 2.00	2.17 2.00		34.7 33.4	69696
16.15 16.00	0.75 1.00	16.90 17.00			1.72	1.72 1.65	2.09 2.00	7.29 8.00		40.2 40.6	90664
16.75 16.00	0.80 1.00	17.55 17.00			3.40	3.40 3.29	4.13 4.00	4.30 4.00		44.2 42.4	69698

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69699	Louisville Fertilizer Co. (Armour owned), Louisville, Cincinnati, Nashville.—Con. Louisville 4-10-4 Fertilizer.....	Manufacturer Guaranteed
90337	Louisville 16% Acid Phosphate....	J. W. Hicks, Upton.....
90338		S. E. Redford, Glasgow
90665		Hurst & Brown, Bardstown
90666		W. G. Pennington, Greenmount.....
90987		Elkins & Kimmel, Greenville.....
90988		Ratliff Hardware Co., Princeton..... Guaranteed
69701	Louisville 20% Superphosphate.....	Manufacturer Guaranteed
69702	Louisville Plant Bed Special.....	Manufacturer Guaranteed
90339	Louisville Burley Tobacco Grower	J. F. Collings, Shepherdsville.....
90340		J. W. Hicks, Upton.....
90667		Riester & Co., Finchville.....
90668		Hurst & Brown, Bardstown
69704	Louisville Potato Grower	Manufacturer Guaranteed
69705	Louisville Dark Tobacco Grower....	Manufacturer Guaranteed
69706	Louisville Bone Meal	Manufacturer Guaranteed
69707	Louisville Raw Bone.....	Manufacturer Guaranteed
69708	Louisville Black Patch Special....	Manufacturer Guaranteed
69709	Jones Special Tobacco Grower.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.35	2.85	13.20			3.05	3.40	4.13	3.86		34.9	69699
10.00	1.00	11.00				3.29	4.00	4.00		33.4	
16.15	1.25	17.40								19.4	90337
16.95	2.25	19.20								20.3	90338
15.60	0.65	16.25								18.7	90665
16.30	1.00	17.30								19.6	90666
17.05	5.45	22.50								20.5	90987
16.05	4.00	20.05								19.3	90988
16.00	0.50	16.50								19.2	
20.70	0.50	21.20								24.8	69701
20.00	0.50	20.50								24.0	
10.70	0.50	11.20			2.37	3.48	4.22		3.29	34.1	69702
8.00	1.00	9.00				3.29	4.00		3.00	30.1	
7.95	0.70	8.65			1.69	2.59	3.14		5.88	31.4	90339
8.75	0.80	9.55			1.63	2.43	2.95		6.07	32.3	90340
8.70	0.70	9.40			1.61	2.36	2.87	1.16	4.72	33.0	90667
8.80	0.40	9.20			1.64	2.37	2.88		5.86	31.6	90668
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
9.25	3.85	13.10			1.70	2.69	3.27	0.68	5.55	35.3	69704
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
9.10	4.10	13.20			1.09	1.78	2.16	0.88	3.10	28.1	69705
8.00	1.00	9.00				1.65	2.00		4.00	25.0	
		28.10	82	18		2.57	3.12			38.4	69706
		27.00				2.47	3.00			36.9	
		23.50	100			4.05	4.92			39.7	69707
		22.00				3.71	4.50			36.8	
9.25	3.85	13.10			1.70	2.69	3.27	0.68	5.55	35.3	69708
8.00	1.00	9.00				2.47	3.00		6.00	31.3	
8.90	6.80	15.70			0.66	0.95	1.15	1.05		21.1	69709
8.00	1.00	9.00				0.82	1.00	1.00		16.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90164	Louisville Fertilizer Co. (Armour owned), Louisville, Cincinnati, Nashville.—Con. Louisville 3-12-4 Fertilizer.....	Manufacturer Guaranteed
90165	Louisville 3-8-6 Fertilizer.....	Manufacturer Guaranteed
90166	Louisville 1-8-4 Fertilizer	Manufacturer Guaranteed
90167	Louisville 0-14-4 Fertilizer	Manufacturer Guaranteed
90168	Louisville 0-10-10 Fertilizer.....	Manufacturer Guaranteed
90781	Louisville 3-18-3 Fertilizer.....	Manufacturer Guaranteed
90831	Louisville 4-16-4 Guano	Manufacturer Guaranteed
90832	Louisville 2-16-2 Guano	Manufacturer Guaranteed
90833	Louisville 2-12-2 Guano	Manufacturer Guaranteed
90834	Louisville 1-12-1 Guano.....	Manufacturer Guaranteed
90835	Louisville 0-12-4 Guano	Manufacturer Guaranteed
90836	Louisville 2-8-2 Guano	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
11.80 12.00	2.40 1.00	14.20 13.00			2.34	2.54 2.47	3.08 3.00	4.17 4.00		33.8 33.1	90164
8.25 8.00	0.45 1.00	8.70 9.00			1.71	2.42 2.47	2.94 3.00	1.16 6.00	5.11	31.3 29.5	90165
8.80 8.00	2.50 1.00	11.30 9.00			0.82	0.82 0.82	1.00 1.00	4.10 4.00		22.4 20.5	90166
14.30 14.00	4.30 0.50	18.60 14.50						4.18 4.00		28.2 25.8	90167
11.10 10.00	1.80 0.50	12.90 10.50						11.02 10.00		29.9 27.0	90168
19.20 18.00	0.80 1.00	20.00 19.00			2.64	2.64 2.47	3.20 3.00	3.33 3.00		43.7 40.9	90781
16.75 16.00	0.80 1.00	17.55 17.00			3.40	3.40 3.29	4.13 4.00	4.30 4.00		44.2 42.4	90831
16.60 16.00	0.70 1.00	17.30 17.00			1.72	1.72 1.65	2.09 2.00	2.17 2.00		34.7 33.4	90832
12.00 12.00	0.60 1.00	12.60 13.00			1.62	1.62 1.65	1.97 2.00	2.01 2.00		27.1 27.4	90833
12.90 12.00	7.05 1.00	19.95 13.00			0.65	0.94 0.82	1.14 1.00	1.20 1.00		27.4 22.9	90834
11.70 12.00	0.90 0.50	12.60 12.50						4.04 4.00		22.4 22.8	90835
8.00 8.00	14.60 1.00	22.60 9.00			1.44	1.69 1.65	2.05 2.00	2.44 2.00		27.5 21.4	90836

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90341 90342 90669 90989 90990	Mt. Pleasant Fert. Co., Inc. (Sub. of Va.-Car. Chem. Corp.), Nashville, Memphis. Mt. Pleasant 16% Acid Phosphate	Johnson & Wilson, Auburn..... Ed. G. Seruggs, Adairville..... Henry Durham, Greensburg J. Stotz, Greenville Grigsby & Co., Bardstown Guaranteed
69539	Mt. Pleasant 18% Acid Phosphate	Manufacturer Guaranteed
90670 90671	Mt. Pleasant Tobacco and Truck Grower	L. G. Crutchfield, Pembroke..... Citizens Hdw. & Gro. Co., Bowling Green Guaranteed
90343 90344	Black Patch Tobacco Grower.....	Ed. G. Seruggs, Adairville..... Johnson & Wilson, Russellville..... Guaranteed
69543	Mt. Pleasant Corn and Tobacco Grower	Manufacturer Guaranteed
69544	Mt. Pleasant Tobacco Grower	Manufacturer Guaranteed
90346 90672	Mt. Pleasant Corn Special	Ed. G. Seruggs, Adairville..... P. W. Egner, Benton..... Guaranteed
90991	Grigsby Special	Grigsby & Co., Bardstown..... Guaranteed
90812	National Chemical Co., Louisville, Ky. Big Pay Tomato and Tobacco Fertilizer 2-12-6	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
17.20	4.10	21.30								20.6	90341
17.25	3.65	20.90								20.7	90342
17.80	3.00	20.80								21.4	90669
17.40	4.40	21.80								20.9	90989
16.60	4.50	21.10								19.9	90990
16.00										19.2	
17.45	0.65	18.10								20.9	69539
18.00										21.6	
8.45	3.40	11.85			1.88	2.46	2.99	6.82		34.1	90670
9.10	3.10	12.20			1.81	2.36	2.87	6.34		31.9	90671
8.00	2.00	10.00				2.47	3.00	6.00		29.9	
8.45	3.05	11.50			1.17	1.72	2.09	4.60		26.3	90343
8.70	3.45	12.15			1.10	1.70	2.06	4.15		26.2	90344
8.00	2.00	10.00				1.65	2.00	4.00		24.2	
9.30	7.15	16.45			1.09	1.74	2.11	2.19		26.3	69543
8.00	2.00	10.00				1.65	2.00	2.00		21.8	
7.75	10.10	17.85			0.46	0.94	1.14	2.09		21.9	69544
8.00	2.00	10.00				0.82	1.00	2.00		18.5	
12.80	5.30	18.10						2.07		21.7	90346
12.70	4.30	17.00						2.29		21.8	90672
12.00								2.00		20.4	
10.75	8.60	19.35			0.34	0.78	0.95	0.83		23.7	90991
10.00	2.00	12.00				0.82	1.00	1.00		20.3	
13.50	0.85	14.35			1.75	1.75	2.12	6.89		35.9	90812
12.00	2.00	14.00				1.65	2.00	6.00		32.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90813	National Chemical Co., Louisville, Ky.—Con. Big Pay Champion 2-12-2.....	Manufacturer Guaranteed
90814	Big Pay 2-16-8 Formula	Manufacturer Guaranteed
90815	Big Pay 2-16-2 Fertilizer	Manufacturer Guaranteed
90816	Big Pay High-grade Fertilizer 2-10-2	Manufacturer Guaranteed
90817	Big Pay Tobacco Grower 2-8-2....	Manufacturer Guaranteed
90818	Big Pay Spl. Tobacco and Potato Fertilizer 3-8-6	Manufacturer Guaranteed
90819	Big Pay Crop and Tobacco Fer- tilizer 1-8-4	Manufacturer Guaranteed
90820	Big Pay Crady's Formula 1-11-3....	Manufacturer Guaranteed
90821	Big Pay Standard Fertilizer 1-10-2	Manufacturer Guaranteed
90822	Big Pay Corn and Wheat Spe- cial $\frac{1}{2}$ -11-1	Manufacturer Guaranteed
90823	Big Pay Wheat and Corn Grower $\frac{1}{2}$ -10-2	Manufacturer Guaranteed
90824	Big Pay Potash Mixture 0-10-4....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
13.50 12.00	0.80 2.00	14.30 14.00			2.57	2.57 1.65	3.12 2.00	3.67 2.00		35.3 27.8	90813
16.80 16.00	0.80 2.00	17.60 18.00			1.87	1.87 1.65	2.27 2.00	12.31 8.00		47.8 41.0	90814
19.50 16.00	0.60 2.00	20.10 18.00			1.84	1.84 1.65	2.23 2.00	1.96 2.00		39.2 33.8	90815
11.30 10.00	0.70 2.00	12.00 12.00			3.79	3.79 1.65	4.60 2.00	3.90 2.00		37.1 24.8	90816
9.20 8.00	0.50 2.00	9.70 10.00			2.26	2.26 1.65	2.74 2.00	4.13 2.00		28.0 21.8	90817
9.20 8.00	0.80 2.00	10.00 10.00			2.42	2.42 2.47	2.94 3.00	7.55 6.00		32.9 29.9	90818
8.95 8.00	0.75 2.00	9.70 10.00			1.64	1.64 0.82	1.99 1.00	5.57 4.00		27.0 20.9	90819
11.80 11.00	0.80 2.00	12.60 13.00			1.18	1.18 0.82	1.43 1.00	4.39 3.00		28.0 24.2	90820
10.50 10.00	0.90 2.00	11.40 12.00			1.53	1.53 0.82	1.86 1.00	3.48 2.00		26.4 21.5	90821
12.20 11.00	0.80 2.00	13.00 13.00			1.00	1.00 0.41	1.21 0.50	0.99 1.00		23.8 20.1	90822
10.95 10.00	0.70 2.00	11.65 12.00			0.89	0.89 0.41	1.08 0.50	2.73 2.00		23.6 19.8	90823
11.05 10.00	0.60 2.00	11.65 12.00						5.65 4.00		23.4 19.8	90824

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90825	National Chemical Co., Louisville, Ky.—Con. Big Pay High-grade Phosphate 16%	Manufacturer Guaranteed
90826	Big Pay 20% Phosphate.....	Manufacturer Guaranteed
90673	New Louisville Rendering Co., Inc., Louisville, Ky. Pure Animal Matter Meat Bones and Blood	R. T. Kirkman, Elkton..... Guaranteed
90151	Pure Bone Meal	Manufacturer Guaranteed
90674 90675 90676 90992	North American Fert. Co., Inc., Louisville, Ky. N. A. Corn and Wheat Special.....	Aaron L. Moore, Leitchfield..... Union Store Co., Fern Creek..... F. F. Dudley, Flemingsburg..... Farm Bureau Supply Co., Elizabethtown Guaranteed
90677	N. A. Standard Fertilizer	Pleasureville Impl. Co., N. Pleasureville Guaranteed
90678 90679	N. A. Crady's Fertilizer Formula..	Aaron L. Moore, Leitchfield..... Union Store Co., Fern Creek..... Guaranteed
90680 90681	N. A. Crop and Tobacco Fertilizer	J. W. Hardyman, Mt. Carmel..... Pleasureville Impl. Co., N. Pleasureville Guaranteed
69552	N. A. All Crop Fertilizer.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
16.35 16.00	1.30 2.00	17.65 18.00								19.6 19.2	90825
23.30 20.00	0.90 2.00	24.20 22.00								28.0 24.0	90826
		11.00 10.00	74	26		6.36 4.00	7.72 4.86			36.4 26.0	90673
		23.80 22.00	72	28		3.69 3.50	4.48 4.25			38.6 36.0	90151
11.25 11.10 11.95 12.30 11.00	1.15 1.40 0.55 4.40 2.00	12.40 12.50 12.50 16.70 13.00			0.23 0.21	0.43 0.43 0.41 0.34 0.41	0.52 0.52 0.50 0.41 0.50	0.92 1.03 0.64 0.83 1.00	0.42	20.2 20.2 21.2 22.6 20.1	90674 90675 90676 90992
11.30 10.00	1.50 2.00	12.80 12.00			0.61	0.95 0.82	1.15 1.00	1.59 2.00		23.3 21.5	90677
11.00 12.00 11.00	1.35 1.50 2.00	12.35 13.50 13.00			0.70 0.55	1.08 0.89 0.82	1.31 1.08 1.00	2.74 2.51 3.00		24.7 25.2 24.2	90678 90679
8.85 8.55 8.00	0.80 1.50 2.00	9.65 10.05 10.00			0.43 0.60	0.80 0.95 0.82	0.97 1.15 1.00	4.25 4.19 4.00		21.9 22.3 20.9	90680 90681
13.05 12.00	0.15 2.00	13.20 14.00			1.33	1.33 0.82	1.61 1.00	2.11 1.00		27.5 23.3	69552

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90348 90682 90993	North American Fert. Co., Inc., Louisville, Ky.—Con. N. A. Tobacco Grower.....	Auburn Roller Mills, Auburn..... F. F. Dudley, Flemingsburg..... I. K. Miller & Sons, Campbellsville..... Guaranteed
90683	†N. A. Ky. Special Tobacco Grower	Aaron L. Moore, Leitchfield..... Guaranteed
90994	N. A. High-grade Fertilizer	Mayhew Feed Co., Franklin
90685	N. A. Black Bone Tobacco Grower	Aaron L. Moore, Leitchfield..... Guaranteed
69557	N. A. Champion 2-12-2.....	Manufacturer
69559	N. A. Front Rank Fertilizer.....	Manufacturer
90689	†N. A. Truck and Tobacco Grower...	Aaron L. Moore, Leitchfield..... Guaranteed
69562	N. A. Tobacco Bed Special	Manufacturer
69563	N. A. Potash Mixture.....	Manufacturer
90350 90351 90690 90691 90995 90996	N. A. High-grade Phosphate.....	Auburn Roller Mills, Auburn..... E. S. Ferrill & Sons, Buffalo..... Peoples Store, Loretto
69565	N. A. Extra Grade Phosphate.....	Broadus & Robinson, Richmond
		Farm Bureau Supply Co., Elizabethtown I. K. Miller & Sons, Campbellsville.... Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90352 90692	North American Fert. Co., Inc., Louisville, Ky.—Con. N. A. 20% Phosphate.....	E. S. Ferrill & Sons, Buffalo..... Peoples Store, Loretto..... Guaranteed
69568	N. A. Raw Bone.....	Manufacturer
		Guaranteed
90141	N. A. Extra Special Tobacco Grower	Manufacturer
		Guaranteed
90693 90997	N. A. Wheat and Corn Grower....	I. K. Miller & Sons, Campbellsville.... I. K. Miller & Sons, Campbellsville.... Guaranteed
90143	N. A. Soluble Phosphate.....	Manufacturer
		Guaranteed
90998	N. A. Standard Phosphate.....	I. K. Miller & Sons, Campbellsville..... Guaranteed
90353	N. A. Star Phosphate.....	E. S. Ferrill & Sons, Buffalo..... Guaranteed
90154	N. A. Tomato and Tobacco Fer- tilizer	* Guaranteed
90848	N. A. 2-16-8 Formula	Wm. B. Howell, Bedford..... Guaranteed
90695	Nitrate of Soda	G. W. Bacot, Clinton..... Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
21.00	0.50	21.50								25.2	90352
21.45	0.45	21.90								25.7	90692
20.00										24.0	
		24.20	72	28		3.33	4.04			37.5	69568
		22.00				3.71	4.50			36.8	
9.10	0.60	9.70			3.39	3.39	4.12	0.72	11.87	46.1	90141
8.00	2.00	10.00				2.47	3.00		10.00	37.7	
12.30	0.50	12.80			0.21	0.38	0.46	1.64		22.1	90693
11.25	0.85	12.10			0.25	0.46	0.56	1.78		21.2	90997
10.00	2.00	12.00				0.41	0.50	2.00		19.8	
16.20	1.20	17.40								19.4	90143
14.00										16.8	
11.95	3.40	15.35								14.3	90998
12.00										14.4	
11.50	0.50	12.00								13.8	90353
10.00										12.0	
											90154
10.00	2.00	12.00				1.65	2.00	6.00		29.6	
15.50	0.80	16.30			1.12	1.77	2.15	7.80		40.0	90848
16.00	2.00	18.00				1.65	2.00	8.00		41.0	
						15.56	18.88			62.2	90695
						15.00	18.22			60.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90354 91000	Price Chemical Co., Inc., Louis- ville, Ky. Special Corn and Wheat Fertilizer	Skidmore Hardware Co., Elizabethtown Skidmore Hardware Co., Elizabethtown Guaranteed
69607	Universal Crop Fertilizer	Manufacturer
90355 90696 91001	Vegetable, Potato and Tobacco Special	Skidmore Hardware Co., Elizabethtown John P. Brineger, Irvine..... Aaron L. Moore, Leitchfield..... Guaranteed
69609	Bone Phosphate and Tankage.....	Manufacturer
90356 90697	1-8-3 Fertilizer	Stewart & Co., Munfordville..... I. K. Miller & Sons, Campbellsville..... Guaranteed
69611	Ky. Blue Grass Tobacco Grower....	Manufacturer
90698 90699	Ky. Blue Grass Tobacco Fertilizer	W. G. Whitney, Columbia..... John P. Brineger, Irvine
69613	High-grade Vegetable Grower.....	Manufacturer
69614	High-grade Special	Manufacturer
90357	Superior Tobacco Fertilizer	Skidmore Hdwe. Co., Elizabethtown..... Guaranteed
90700 90701	Old Time Tobacco Fertilizer	Jim Nall, Clay
		I. K. Miller & Sons, Campbellsville..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
11.90	1.00	12.90			0.65	0.65	0.79	1.61		22.8	90354
12.40	0.60	13.00			0.65	0.65	0.79	1.34		23.1	91000
11.00	2.00	13.00				0.41	0.50	1.00		20.1	
14.80	0.45	15.25			0.55	0.99	1.20	1.56		28.2	69607
12.00	2.00	14.00				0.82	1.00	1.00		23.3	
12.25	1.20	13.45			0.92	0.92	1.12	3.43		26.7	90355
12.25	1.00	13.25			0.65	1.00	1.21	3.24		26.7	90696
13.20	0.70	13.90			0.89	0.89	1.08	3.00	0.49	28.0	91001
11.00	2.00	13.00				0.82	1.00	3.00		24.2	
11.95	0.35	12.30			0.51	0.95	1.15	2.49		24.9	69609
10.00	2.00	12.00				0.82	1.00	2.00		21.5	
8.75	0.75	9.50			0.67	0.92	1.12	3.00	0.49	21.5	90356
10.90	1.10	12.00			0.69	0.97	1.18	3.30		24.6	90697
8.00	2.00	10.00				0.82	1.00	3.00		19.7	
10.05	0.25	10.30			0.89	1.34	1.63		4.54	26.0	69611
8.00	2.00	10.00				1.23	1.50		4.00	23.7	
9.70	0.60	10.30			0.80	1.29	1.57	4.57		25.4	90698
9.80	0.70	10.50			0.72	1.20	1.46	3.86		24.4	90699
8.00	2.00	10.00				1.23	1.50	4.00		22.5	
12.10	0.30	12.40			1.14	1.88	2.28	4.68		31.4	69613
10.00	2.00	12.00				1.65	2.00	4.00		27.2	
11.70	1.00	12.70			1.07	1.91	2.32	2.70		28.8	69614
10.00	2.00	12.00				1.65	2.00	2.00		24.8	
11.60	1.00	12.60			1.40	1.81	2.20	0.80	4.12	34.0	90357
8.00	2.00	10.00				1.65	2.00		5.00	26.9	
8.65	1.30	9.95			1.21	1.60	1.94	1.85		22.7	90700
10.30	1.10	11.40			1.12	1.60	1.94	2.12		25.5	90701
8.00	2.00	10.00				1.65	2.00	2.00		22.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90702 91002	Price Chemical Co., Inc., Louisville, Ky.—Con. Old Time Grain Fertilizer	Aaron L. Moore, Leitchfield..... Skidmore Hdw. Co., Elizabethtown..... Guaranteed
90703 91003	Kentucky Special Grain.....	W. G. Whitney, Columbia..... W. E. Wilson, Russellville..... Guaranteed
90358	Extra Special Tobacco Fertilizer..	Stewart & Co., Munfordville..... Guaranteed
69620	Best Vegetable and Tobacco Fertilizer	Manufacturer
90704	†3-8-6 Tobacco Grower	Guaranteed
90359 90706	3-8-6 Tobacco Fertilizer	Shelbyville Feed & Produce Co., Shelbyville
69623	Truck and Tobacco Fertilizer.....	Guaranteed
90360	Plant Bed Manure.....	C. W. Crews, Hustonville
69625	Potato and Tobacco Fertilizer.....	W. G. Whitney, Columbia..... Guaranteed
69626	Potash Tobacco Grower	Manufacturer
69627	Potash Tobacco Fertilizer	Guaranteed
90707	Extra High-grade Phosphate.....	Manufacturer
		Guaranteed
		John P. Brineger, Irvine..... Guaranteed

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Price Chemical Co., Inc., Louisville, Ky.—Con.	
90361	High-grade Phosphate.....	Skidmore Hdw. Co., Elizabethtown.....
90362		Stewart & Co., Munfordville.....
90708		Shelbyville Feed & Produce Co., Shelbyville
90709		Lelia M. Cooper, Mt. Vernon.....
91004		W. G. Whitney, Columbia.....
91005		Skidmore Hdw. Co., Elizabethtown.....
		Guaranteed
90363	Acid Phosphate	Skidmore Hdw. Co., Elizabethtown.....
90710		L. K. Miller & Sons, Campbellsville.....
		Guaranteed
69633	Bone and Phosphate Mixture	Manufacturer
		Guaranteed
69634	3-8-6 Potato Grower	Manufacturer
		Guaranteed
90014	2-12-6 Fertilizer	Manufacturer
		Guaranteed
90015	Truck and Plant Bed Special.....	Manufacturer
		Guaranteed
90016	10% Dry Phosphate	Manufacturer
		Guaranteed
91006	20% Phosphate	Aaron L. Moore, Leitchfield.....
		Guaranteed
90199	10 and 10% Potash Fertilizer.....	Manufacturer
		Guaranteed
91007	Phosphate and Tobacco (200 lbs. per ton)	Aaron L. Moore, Leitchfield.....
		Guaranteed
90776	Price's Special Mixture.....	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
18.45	0.80	19.25								22.1	90361
17.90	0.90	18.80								21.5	90362
17.30	0.90	18.20								20.8	90708
17.10	0.70	17.80								20.5	90709
17.00	1.00	18.00								20.4	91004
17.65	0.65	18.30								21.2	91005
16.00	2.00	18.00								19.2	
14.65	0.90	15.55								17.6	90363
14.80	1.20	16.00								17.8	90710
14.00	2.00	16.00								16.8	
9.20	13.80	23.00				0.85	1.03			22.7	69633
8.00	12.00	20.00				0.82	1.00			20.1	
9.80	0.70	10.50			2.18	2.90	3.52	1.04	5.93	35.0	69634
8.00	2.00	10.00				2.47	3.00		6.00	31.7	
13.30	0.60	13.90			1.32	1.95	2.37	6.92		36.3	90014
12.00	2.00	14.00				1.65	2.00	6.00		32.6	
9.65	0.50	10.15			2.71	3.75	4.54	4.62		35.2	90015
8.00	2.00	10.00				3.29	4.00	4.00		30.8	
11.50	0.30	11.80								13.8	90016
10.00	2.00	12.00								12.0	
20.60	1.30	21.90								24.7	91006
20.00	2.00	22.00								24.0	
11.60	0.45	12.05						10.40		29.9	90199
10.00	2.00	12.00						10.00		27.0	
14.75	1.90	16.65								17.7	91007
14.00	2.00	16.00								16.8	
13.60	0.50	14.10			0.56	0.56	0.68	0.76		23.8	90776
11.50	2.00	13.50				0.41	0.50	0.50		20.3	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90783	Price Chemical Co., Inc., Louisville, Ky.—Con. Potato Special	Manufacturer Guaranteed
91008	Rasin-Monumental Co., (Sub. of Va.-Car. Chem. Co., Inc.) Cincinnati, Nashville, Memphis. Rasin's 16% Acid Phosphate.....	H. C. Wilson, Glasgow Guaranteed
90095	Rasin's 20% Acid Phosphate.....	Manufacturer Guaranteed
90096	Rasin's 24% Acid Phosphate	Manufacturer Guaranteed
90097	Rasin's 10-5 Acid and Potash.....	Manufacturer Guaranteed
90098	Rasin's Royal Grain Grower.....	Manufacturer Guaranteed
91009	Rasin's Big Giant Phosphate.....	H. A. Spradlin, Monticello..... Guaranteed
90100	Rasin's General Favorite.....	Manufacturer Guaranteed
91010	Rasin's Sweepstakes Fertilizer.....	H. A. Spradlin, Monticello..... Guaranteed
90102	Rasin's 3-18-3 Fertilizer.....	Manufacturer Guaranteed
90103	Rasin's 2-8-4 Tobacco Grower (Potash from Sulphate).....	Manufacturer Guaranteed
90104	Rasin's Burley Tobacco Grower (Potash from Sulphate).....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.45 10.00	1.10 2.00	11.55 12.00			2.71	3.54 3.29	4.30 4.00	0.84	3.99 4.00	37.3 35.0	90783
16.65 16.00	4.60	21.25								20.0 19.2	91008
21.30 20.00	2.10	23.40								25.6 24.0	90095
24.00 24.00	3.20	27.20								28.8 28.8	90096
10.85 10.00	8.85	19.70						5.13 5.00		22.4 21.0	90097
12.10 12.00	7.95	20.05						2.03 2.00		20.6 20.4	90098
8.10 8.00	9.20 2.00	17.30 10.00			0.66	0.92 0.82	1.12 1.00	3.78 3.00		24.1 19.7	91009
8.40 8.00	4.90 2.00	13.30 10.00			1.25	1.50 1.65	1.82 2.00	2.06 2.00		23.0 21.8	90100
11.90 12.00	3.60 2.00	15.50 14.00			1.45	1.75 1.65	2.12 2.00	2.13 2.00		28.9 27.8	91010
18.60 18.00	2.20 2.00	20.80 20.00			2.30	2.55 2.47	3.10 3.00	3.09 3.00		42.7 41.3	90102
9.80 8.00	7.50 2.00	17.30 10.00			1.36	1.56 1.65	1.89 2.00	0.88	3.24 4.00	29.8 25.4	90103
9.25 8.00	4.00 2.00	13.25 10.00			2.18	2.45 2.47	2.97 3.00		5.41 6.00	33.4 31.7	90104

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90106	Rasin Monumental Co. (Sub. of Va.-Car. Chem. Co.), Cincinnati, Nashville, Memphis.—Con. Rasin's Raw Bone Meal	Manufacturer Guaranteed
90107	Rasin's Potato and Truck	Manufacturer Guaranteed
90149	Rasin's Reliable Wheat and Corn Fertilizer	Manufacturer Guaranteed
90801	Rasin's Pure Bone Meal (Steamed)	Manufacturer Guaranteed
69449	Read Phosphate Co., Nashville, Tenn. Red Diamond 16-2-2	Manufacturer Guaranteed
69450	Premium Grain Grower	Manufacturer Guaranteed
90364	Red Diamond Special.....	Young Hardware Co., Hopkinsville..... Guaranteed
91011	Blood and Bone No. 1.....	W. D. Harris Hdw. Co., Franklin.....
91012		J. S. Hamblin, Auburn..... Guaranteed
90365	Kentucky Tobacco Grower.....	Young Hardware Co., Hopkinsville.....
90366		Hollingsworth-Young Hdw. Co., Bowling Green
90713		Farm Bureau, Lancaster.....
90714		J. K. Miller and Sons, Campbellsville..... Guaranteed
91013	Corn, Wheat and Oat Grower.....	Conner-Hayden Co., Bardstown.....
91014		J. H. Jasper, W. Somerset..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
		23.20 20.00	100			3.85 3.71	4.67 4.50			38.6 34.8	90106
13.80 12.00	1.45 2.00	15.25 14.00			2.29	2.49 2.47	3.02 3.00	3.76 4.00		35.8 33.5	90107
8.30 8.00	9.50 2.00	17.80 10.00			0.78	0.78 0.82	0.95 1.00	1.98 2.00		21.8 18.5	90149
		28.80 29.00	80	20		1.39 1.03	1.69 1.25			34.4 33.1	90801
19.95 16.00	1.90 2.00	21.85 18.00			1.00	1.90 1.65	2.31 2.00	2.55 2.00		46.2 33.8	69449
15.30 12.00	3.40 3.00	18.70 15.00			1.15	1.89 1.65	2.29 2.00	2.51 2.00		34.9 28.2	69450
10.80 10.00	5.30 3.00	16.10 13.00			2.31	2.73 2.47	3.31 3.00	2.90 3.00		32.7 29.7	90364
10.05 10.20 10.00	4.40 4.10 3.00	14.45 14.30 13.00			1.09 0.93	1.90 1.87 1.65	2.31 2.27 2.00	3.91 2.20 2.00		29.1 27.1 25.2	91011 91012
11.50	2.40	13.90			0.23	0.95	1.15	1.02		23.2	90365
10.15 10.70 11.60 10.00	7.90 7.10 4.50 5.00	18.05 17.80 16.10 15.00			0.65 0.45 0.30	1.14 1.60 0.87 0.82	1.38 1.94 1.06 1.00	1.48 2.55 1.27 1.00	1.63	27.2 28.4 24.2 21.5	90366 90713 90714
11.25 10.80 10.00	8.80 7.85 5.00	20.05 18.65 15.00			0.48 0.51	0.88 0.99 0.82	1.07 1.20 1.00	1.35 1.22 1.00		25.5 24.8 21.5	91013 91014

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90367	Read Phosphate Co., Nashville, Tenn.—Con. Farmers Special Manure.....	Barren County Groc. and Hdw. Co., Glasgow
90368		J. H. Jasper, W. Somerset.....
90369		J. S. Hamblin and Son, Auburn.....
91015		J. A. Ramsey, Murl.....
91016		J. H. Jasper, W. Somerset.....
		Guaranteed
69456	Standard Tobacco Grower.....	Manufacturer
		Guaranteed
90370	Premium Tobacco Grower.....	J. H. Jasper, W. Somerset.....
90371		Stewart and Co., Munfordville.....
90715		Findley Hdw. Co., Madisonville.....
		Guaranteed
90372	High Grade Tobacco Grower.....	Victor N. Smith, Bowling Green.....
		Guaranteed
90373	†Old Ky. Tobacco Special.....	Woodford Spears and Sons, Paris.....
90374		J. H. Jasper, W. Somerset.....
90717		Farm Bureau, Lancaster.....
		Guaranteed
90377	†High Grade Truck and Tobacco Special	J. H. Jasper, W. Somerset.....
		Guaranteed
90378	†Kentucky Special.....	J. H. Jasper, W. Somerset.....
90718		J. W. Hardyman, Mt. Carmel.....
		Guaranteed
90379	High Grade Potash Mixture.....	J. S. Hamblin and Son, Auburn.....
90380		Estes and Hines, Science Hill.....
91018		Young Hardware Co., Hopkinsville.....
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.25	8.40	18.65			0.41	1.22	1.48	3.88		28.3	90367
11.00	4.35	15.35			0.24	1.10	1.34	3.49		26.8	90368
11.30	4.55	15.85			0.29	1.12	1.36	3.56		27.5	90369
10.75	7.30	18.05			0.65	1.06	1.29	2.50		26.3	91015
10.55	7.50	18.05			0.46	0.94	1.14	2.60		25.7	91016
10.00	4.00	14.00				0.82	1.00	3.00		23.5	
11.60	0.90	12.50			1.39	2.12	2.57		2.64	30.2	69456
8.00	4.00	12.00				1.65	2.00		2.00	23.2	
7.55	2.75	10.30			0.27	1.97	2.39	7.08		28.8	90370
11.80	6.30	18.10			1.11	1.48	1.80	4.77		31.9	90371
9.60	8.90	18.50			1.41	1.75	2.12	1.96	2.96	31.8	90715
8.00	4.00	12.00				1.65	2.00	5.00		26.2	
10.35	4.70	15.05			1.49	1.95	2.37	1.08	2.93	30.9	90372
8.00	4.00	12.00				1.65	2.00		4.00	26.2	
10.45	5.20	15.65			2.16	2.75	3.34	4.48	1.83	36.9	90373
8.05	4.05	12.10			1.55	2.43	2.95	7.15		32.0	90374
9.55	5.85	15.40			1.98	2.51	3.05	6.55		34.6	90717
8.00	4.00	12.00				2.47	3.00		6.00	32.5	
7.60	10.05	17.65			1.25	1.62	1.97	8.76		32.4	90377
8.00	4.00	12.00				1.65	2.00		8.00	32.2	
9.35	8.70	18.05				0.57	0.69	4.93		25.6	90378
8.30	11.05	19.35			0.42	0.42	0.51	4.47		23.9	90718
8.00	4.00	12.00				0.41	0.50	4.00		20.0	
14.95	6.10	21.05						3.60		26.8	90379
10.50	12.00	22.50						4.56		21.2	90380
9.40	6.50	15.90						4.07		19.0	91018
10.00	4.00	14.00						4.00		19.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90381	Read Phosphate Co., Nashville, Tenn.—Con. Red Diamond Acid Phosphate.....	J. S. Hamblin and Son, Auburn.....
90382		Hollingsworth-Young Hdw. Co., Bowling Green
90719		J. H. Phelps, Jamestown.....
90720		Farm Bureau, Lancaster.....
91019		Conner-Hayden Co., Bardstown.....
91020		Barren Co. Grocery and Hdw. Co., Glasgow
		Guaranteed
69464	Premium Acid Phosphate.....	Manufacturer
		Guaranteed
69465	Red Diamond 20% Acid Phosphate	Manufacturer
		Guaranteed
90383	Pure Raw Bone Meal.....	J. H. Jasper, W. Somerset.....
90384		Hollingsworth-Young Hdw. Co., Bowling Green
91021		J. A. Ramsey, Murl.....
91022		Hollingsworth-Young Hdw. Co., Bowling Green
		Guaranteed
90385	Bone Meal and Phosphate.....	J. H. Jasper, W. Somerset.....
		Guaranteed
69468	Nitrate of Soda.....	Manufacturer
		Guaranteed
69469	Muriate of Potash.....	Manufacturer
		Guaranteed
69470	Sulphate of Potash.....	Manufacturer
		Guaranteed
91023	Red Diamond Standard.....	W. D. Harris Hdw. Co., Franklin.....
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
18.35	2.90	21.25								22.0	90381
18.20	2.90	21.10								21.8	90382
17.90	2.70	20.60								21.5	90719
18.10	3.05	21.15								21.7	90720
16.45	3.10	19.55								19.7	91019
16.50	3.00	19.50								19.8	91020
16.00	2.00	18.00								19.2	
22.25	1.15	23.40								26.7	69464
18.00	2.00	20.00								21.6	
25.90	1.10	27.00								31.1	69465
20.00										24.0	
		22.50	49	51		3.70	4.49			37.3	90383
		23.30	40	60		3.72	4.52			38.2	90384
		22.00	48	52		3.66	4.44			36.6	91021
		21.40	49	51		3.73	4.53			36.3	91022
		22.00				3.71	4.50			36.8	
		21.80	60	40		1.08	1.31			26.1	90385
		20.00				0.82	1.00			23.3	
						15.32	18.60			61.3	69468
						14.83	18.00			59.3	
								51.16		61.4	69469
								50.00		60.0	
									50.32	75.5	69470
									50.00	75.0	
8.45	7.85	16.30			0.84	1.82	2.21	1.68		25.1	91023
8.00	4.00	12.00				1.65	2.00	2.00		22.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90847	Riverdale Products Co., Chicago, Ill. Raw Bone Meal.....	Manufacturer Guaranteed
90056	Smith Agricultural Chem. Co., Columbus, O. Sacco 2-12-2	Manufacturer Guaranteed
90057	Sacco 2-12-6	Manufacturer Guaranteed
90058	Sacco 10-10	Manufacturer Guaranteed
90059	Sacco 16%	Manufacturer Guaranteed
90060	Sacco 20%	Manufacturer Guaranteed
90061	Sacco 1-8-2	Manufacturer Guaranteed
90062	Sacco 1-8-4 Tobacco Grower.....	Manufacturer Guaranteed
90063	Sacco 3-8-6	Manufacturer Guaranteed
90721	Southern Fertilizer Co., Louisville, Ky. Atlas Phosphate	Conrad, Payne and Co., Cloverport..... Guaranteed
90065	Elk Corn and Wheat Grower.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
		25.80 20.00	85	15		4.10 3.71	4.98 4.50			42.2 34.8	90847
11.60 12.00	0.70	12.30			1.07	1.52 1.65	1.85 2.00	1.99 2.00		26.2 27.0	90056
11.45 12.00	1.25	12.70			1.13	1.54 1.65	1.87 2.00	5.96 6.00		31.0 31.8	90057
9.85 10.00	0.35	10.20						10.19 10.00		27.0 27.0	90058
15.65 16.00	0.45	16.10								18.8 19.2	90059
20.20 20.00	0.40	20.60								24.2 24.0	90060
8.10 8.00	0.45	8.55			0.46	0.80 0.82	0.97 1.00	1.91 2.00		17.8 17.7	90061
7.70 8.00	0.60	8.30			0.39	0.77 0.82	0.93 1.00	3.90 4.00		19.6 20.1	90062
8.65 8.00	1.05	9.70			1.99	2.26 2.47	2.74 3.00	6.69 6.00		30.5 29.1	90063
16.70 16.00	0.35	17.05								20.0 19.2	90721
7.00 7.00	1.30 1.00	8.30 8.00			0.62	0.83 0.82	1.01 1.00		1.07 1.00	15.6 15.7	90065

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90722	Southern Fertilizer Co., Louisville, Ky.—Con.	
90723	Elk General Crop Grower.....	Sam Terry, Big Clifty.....
91024		The Mitchell Co., Corbin.....
		The Mitchell Co., Corbin.....
		Guaranteed
90067	Elk Special Tobacco Grower.....	Manufacturer
		Guaranteed
90725	†Elk Tobacco Grower.....	Conrad, Payne and Co., Cloverport.....
		Guaranteed
90425	Elk Phosphate	Manufacturer
		Guaranteed
90426	Elk Superior Phosphate.....	Manufacturer
		Guaranteed
90427	Elk Wheat, Corn and Tobacco Special	Manufacturer
		Guaranteed
90428	Elk Special Grain Grower.....	Manufacturer
		Guaranteed
	Swift & Co., Inc., National Stock Yards, Ill.	
90020	Swift's Red Steer 1-12-1.....	Manufacturer
		Guaranteed
90021	Swift's Red Steer 2-8-1.....	Manufacturer
		Guaranteed
90022	Swift's Red Steer 1-8-1.....	Manufacturer
		Guaranteed
90023	Swift's Red Steer 3-12-4.....	Manufacturer
		Guaranteed
90024	Swift's Red Steer 3-8-6.....	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.90	0.70	10.60			0.53	0.53	0.64	1.22		18.7	90722
10.10	0.40	10.50			0.47	0.47	0.57	0.97		18.4	90723
10.00	0.90	10.90			0.66	0.66	1.04	0.81		19.8	91024
10.00	1.00	11.00				0.41	0.50		1.00	18.5	
10.75	1.05	11.80			0.49	0.49	0.59		1.04	19.8	90067
10.00	1.00	11.00				0.41	0.50		1.00	18.5	
8.50	0.30	8.80			1.36	1.58	1.92	1.24		20.7	90725
8.00	1.00	9.00				1.65	2.00		1.00	20.5	
15.00	0.70	15.70								18.0	90425
14.00	1.00	15.00								16.8	
20.30	0.40	20.70								24.4	90426
20.00	1.00	21.00								24.0	
8.55	1.40	9.95			1.27	1.60	1.94		2.10	22.9	90427
8.00	1.00	9.00				1.65	2.00	2.00		21.4	
12.10	1.40	13.50			0.50	0.50	0.61	2.17		23.3	90428
11.00	1.00	12.00				0.41	0.50	2.00		20.9	
12.45	0.65	13.10			0.47	0.85	1.03	0.99		23.5	90020
12.00	1.00	13.00				0.82	1.00	1.00		22.9	
8.40	0.40	8.80			1.95	1.95	2.37	1.59		22.5	90021
8.00	1.00	9.00				1.65	2.00	1.00		20.2	
8.60	0.30	8.90			1.03	1.03	1.25	1.15		18.5	90022
8.00	1.00	9.00				0.82	1.00	1.00		16.9	
11.95	0.70	12.65			1.77	2.30	2.79	2.16	1.64	32.5	90023
12.00	1.00	13.00				2.47	3.00	4.00		33.1	
8.40	0.30	8.70			1.89	2.38	2.89	6.26		29.8	90024
8.00	1.00	9.00				2.47	3.00	6.00		29.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90025	Swift & Co., Inc., National Stock Yards, Ill.—Con. Swift's Red Steer 2-8-3.....	Manufacturer Guaranteed
90026	Swift's Red Steer 3-8-3.....	Manufacturer Guaranteed
90027	Swift's Red Steer 3-8-5.....	Manufacturer Guaranteed
90028	Swift's Red Steer 2-10-4.....	Manufacturer Guaranteed
90029	Swift's Red Steer 2-8-2.....	Manufacturer Guaranteed
90030	Swift's Red Steer 2-10-2.....	Manufacturer Guaranteed
90386	Swift's Red Steer 2-12-2.....	J. H. Baughman, Stanford
90726		Shouse and Kercheval, Salt Lick.....
90727		John B. Mariott, Cecilia.....
90728		W. L. Anderson and Son, Caneyville.....
90729		Bryley Supply Co., Pineville.....
91025		Hurst-Brown Hdw. Co., Bardstown.....
91026		Woodson Lewis and Son, Greensburg.... Guaranteed
90387	†Swift's Red Steer 3-8-6 Tobacco Grower	J. H. Baughman, Stanford
90388		Yopp Seed Co., Paducah.....
90389		J. F. Collings, Shepherdsville..... Guaranteed
90033	Swift's Red Steer 4-8-6.....	Manufacturer Guaranteed
90034	Swift's Red Steer 4-12.....	Manufacturer Guaranteed
90035	Swift's Red Steer 2-12.....	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.20 8.00	0.30 1.00	8.50 9.00			1.29	1.71 1.65	2.08 2.00	3.29 3.00		23.2 22.6	90025
8.05 8.00	0.35 1.00	8.40 9.00			1.88	2.50 2.47	3.04 3.00	3.00 3.00		25.8 25.9	90026
8.40 8.00	0.40 1.00	8.80 9.00			1.89	2.40 2.47	2.91 3.00		5.87 5.00	31.2 28.3	90027
10.20 10.00	0.30 1.00	10.50 11.00			1.26	1.78 1.65	2.16 2.00	1.00 4.00	2.60	27.6 26.8	90028
8.55 8.00	0.70 1.00	9.25 9.00			1.66	2.10 1.65	2.55 2.00	1.96 2.00	0.60	24.8 21.4	90029
9.95 10.00	0.30 1.00	10.25 11.00			1.11	1.62 1.65	1.97 2.00	2.02 2.00		24.0 24.4	90030
12.80 12.95 12.85 12.65 12.65 12.10 12.20 12.00	0.50 0.40 0.50 0.45 0.25 0.95 0.80 1.00	13.30 13.35 13.35 13.10 12.90 13.05 13.00 13.00			1.16 1.07 1.13 1.10 1.14 1.12 1.08 1.65	1.68 1.62 1.67 1.67 1.73 1.65 1.62 1.65	2.04 1.97 2.03 2.03 2.10 2.00 1.97 2.00	2.27 2.01 2.30 2.04 2.13 2.07 2.04 2.00		28.8 28.5 30.7 28.3 28.6 27.6 27.6 27.4	90386 90726 90727 90728 90729 91025 91026
8.85 8.25 8.05 8.00	0.20 0.30 0.20 1.00	9.05 8.55 8.25 9.00			1.87 1.91 1.87	2.42 2.44 2.45 2.47	2.94 2.96 2.97 3.00		5.56 6.05 5.72 6.00	31.4 31.3 31.4 31.7	90387 90388 90389
8.00 8.00	0.30 1.00	8.30 9.00			2.60	3.09 3.29	3.71 4.00	6.23 6.00		33.0 33.2	90033
12.10 12.00	0.30 1.00	12.40 13.00			3.80	3.80 3.29	4.61 4.00			33.5 31.6	90034
12.60 12.00	0.30 1.00	12.90 13.00			2.17	2.17 1.65	2.63 2.00			27.7 25.0	90035

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90036	Swift & Co., Inc., National Stock Yards, Ill.—Con. Swift's Red Steer 2-10.....	Manufacturer Guaranteed
90038	Swift's Red Steer 14-2.....	Manufacturer Guaranteed
90039	Swift's Red Steer 20% Acid Phosphate Fertilizer	Manufacturer Guaranteed
90390	Swift's Red Steer 16% Acid Phosphate Fertilizer	J. W. Hicks, Upton.....
90391		J. H. Baughman, Stanford.....
90392		F. M. Mitchell, Scottsville.....
90732		G. H. Harris, Cloverport.....
90733		J. W. Collier, Crab Orchard.....
91027		J. W. Collier, Crab Orchard.....
91028		Hurst-Brown Hdw. Co., Bardstown..... Guaranteed
90041	Swift's Bone Meal and Phosphate 1-20	Manufacturer Guaranteed
90042	Swift's Raw Bone Meal Fertilizer	Manufacturer Guaranteed
90393	Swift's Red Steer 2-16-2.....	G. M. Hedrick, Monticello..... Guaranteed
90045	Swift's Red Steer 1-12-0.....	Manufacturer Guaranteed
90734	Swift's 1¼-29 Bone Meal Fertilizer	J. W. Collier, Crab Orchard.....
91029		Grayson County Supply Co., Leitchfield.. Guaranteed
90394	Swift's Red Steer 14-4.....	J. W. Schoolcraft, Somerset..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.45 10.00	0.20 1.00	10.65 11.00			1.90	1.90 1.65	2.31 2.00			23.4 22.0	90036
14.05 14.00	0.45	14.50						2.16 2.00		23.7 23.4	90038
20.60 20.00	0.40	21.00								24.9 24.0	90039
16.65 16.70 17.25 16.75 16.85 16.50 16.50 16.00	0.30 0.30 0.30 0.45 0.25 0.65 0.50	16.95 17.00 17.55 17.20 17.10 17.15 17.00								20.0 20.0 20.7 20.1 20.2 19.8 19.8 19.2	90390 90391 90392 90732 90733 91027 91028
17.10 15.00	2.80 5.00	19.90 20.00			0.44	1.00 0.82	1.21 1.00			30.8 27.8	90041
		23.35 23.00	82	18		4.28 3.71	5.20 4.50			40.5 37.8	90042
16.60 16.00	0.60 1.00	17.20 17.00			1.60	1.60 1.65	1.94 2.00	2.05 2.00		34.0 33.4	90393
12.90 12.00	0.30 1.00	13.20 13.00			0.91	0.91 0.82	1.10 1.00			23.1 21.7	90045
		31.60 30.90 29.00	100 91	9		1.62 1.62 1.03	1.97 1.97 1.25			38.1 37.4 33.1	90734 91029
15.25 14.00	0.20	15.45						3.47 4.00		27.0 25.8	90394

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90048	Swift & Co., Inc., National Stock Yards, Ill.—Con. Swift's Pulverized Manure.....	Manufacturer Guaranteed
90049	Swift's Vigoro	Manufacturer Guaranteed
69710	Tennessee Chemical Co., (Armour owned) Louisville, Cincinnati, Nashville. Ox 1-8-1 Fertilizer.....	Manufacturer Guaranteed
69711	Ox 1-12-1 Fertilizer.....	Manufacturer Guaranteed
69712	Ox 2-8-2 Fertilizer.....	Manufacturer Guaranteed
90395 91031 91032	Ox 0-12-4 Fertilizer.....	W. F. Grainger, Franklin..... McChesney and Thompson, Trenton..... W. F. Grainger, Franklin..... Guaranteed
69714	Ox 2-12-0 Fertilizer.....	Manufacturer Guaranteed
69716	Ox 2-12-2 Fertilizer.....	Manufacturer Guaranteed
69717	Ox 2-12-6 Fertilizer.....	Manufacturer Guaranteed
69718	Ox 2-16-8 Fertilizer.....	Manufacturer Guaranteed
91033 91034	†Ox 4-16-4 Fertilizer.....	V. B. Nuckols, Elkton..... W. F. Grainger, Franklin..... Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
1.00	0.40	1.40				1.95	2.37	0.76	1.24	12.2	90048
1.00	0.50	1.50				1.65	2.00	2.00		10.7	
12.85	0.50	13.35			2.98	3.35	4.07	4.64		38.5	90049
12.00	1.00	13.00				3.29	4.00	4.00		36.4	
8.90	6.80	15.70			0.66	0.95	1.15	1.05		21.1	69710
8.00	1.00	9.00				0.82	1.00	1.00		16.9	
12.90	7.05	19.95			0.65	0.94	1.14	1.20		27.4	69711
12.00	1.00	13.00				0.82	1.00	1.00		22.9	
8.00	14.60	22.60			1.44	1.69	2.05	2.44		27.5	69712
8.00	1.00	9.00				1.65	2.00	2.00		21.4	
12.60	2.70	15.30						3.63		23.3	90395
11.95	6.70	18.65						4.55		23.4	91031
12.65	6.60	19.25						3.67		23.4	91032
12.00	0.50	12.50						4.00		22.8	
13.35	7.60	20.95			1.47	1.83	2.22			30.4	69714
12.00	1.00	13.00				1.65	2.00			25.0	
12.00	0.60	12.60			1.62	1.62	1.97	2.01		27.1	69716
12.00	1.00	13.00				1.65	2.00	2.00		27.4	
12.40	1.00	13.40			1.92	1.92	2.33	6.03		33.9	69717
12.00	1.00	13.00				1.65	2.00	6.00		32.2	
16.70	0.65	17.35			1.64	1.64	1.99	8.95		42.6	69718
16.00	1.00	17.00				1.65	2.00	8.00		40.6	
16.35	1.25	17.60			3.22	3.22	3.91	4.15		42.9	91033
16.10	1.15	17.25			2.99	2.99	3.63	4.62		42.1	91034
16.00	1.00	17.00				3.29	4.00	4.00		42.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69720	Tennessee Chemical Co. (Armour owned), Louisville, Cincinnati, Nashville.—Con. Ox 2-16-2 Fertilizer.....	Manufacturer Guaranteed
90397	Ox 16% Acid Phosphate.....	H. D. Jones, Glasgow.....
90398		Young Hdw. Co., Hopkinsville.....
90735		Slusher Cash Feed Co., Pineville.....
90736		J. S. Duke, Crab Orchard.....
91035		Victor Smith, Bowling Green.....
91036		Farmers Supply Co., Richmond.....
		Guaranteed
69722	Ox 20% Superphosphate	Manufacturer Guaranteed
69723	Ox Plant Bed Special	Manufacturer Guaranteed
69725	Ox Potato Grower	Manufacturer Guaranteed
90399	Ox Dark Tobacco Grower	J. J. Shaver & Co., Mayfield.....
90738		Slusher Cash Feed Co., Pineville.....
90739		P. A. Blackwell Co., Henderson.....
		Guaranteed
91037	†Ox Bone Meal	Young Hdw. Co., Hopkinsville.....
91038		W. F. Grainger, Franklin.....
		Guaranteed
69728	Ox Raw Bone	Manufacturer Guaranteed
90741	Ox Black Patch Special	Cadiz Trading Co., Cadiz
90742		The Clay Produce Co., Clay.....
		Guaranteed
90422	Ox Tobacco Guano	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
16.60 16.00	0.70 1.00	17.30 17.00			1.72 1.65	1.72 1.65	2.09 2.00	2.17 2.00		34.7 33.4	69720
17.05 17.15 16.90 16.05 16.80 16.90 16.00	4.75 2.60 0.50 1.30 5.70 1.10 0.50	21.80 19.75 17.40 17.35 22.50 18.00 16.50								20.5 20.6 20.3 19.3 20.2 20.3 19.2	90397 90398 90735 90736 91035 91036
20.70 20.00	0.50 0.50	21.20 20.50								24.8 24.0	69722
10.70 8.00	0.50 1.00	11.20 9.00			2.37 3.48 3.29	3.48 3.29	4.22 4.00		3.29 3.00	34.1 30.1	69723
9.25 8.00	3.85 1.00	13.10 9.00			1.70 2.69 2.47	2.69 2.47	3.27 3.00	0.68	5.55 6.00	35.3 31.3	69725
8.20 8.50 9.15 8.00	3.40 0.55 2.70 1.00	11.60 9.05 11.85 9.00			1.34 1.09 1.37 1.65	2.03 1.63 1.92 1.65	2.46 1.98 2.33 2.00	1.48	2.82 4.09 5.14 4.00	27.8 25.6 30.2 25.0	90399 90738 90739
		28.05 28.50 27.00	61 65	39 35		2.40 2.60 2.47	2.91 3.16 3.00			37.7 38.9 36.9	91037 91038
		23.50 22.00	100			4.05 3.71	4.92 4.50			39.7 36.8	69728
9.45 10.15 8.00	2.65 2.80 1.00	12.10 12.95 9.00			1.93 1.91	2.71 2.95 2.47	3.29 3.34 3.00	1.88 1.24	6.95 4.21 6.00	38.8 35.2 31.3	90741 90742
10.90 10.00	7.55 1.00	18.45 11.00			1.16 1.65	1.87 1.65	2.27 2.00	0.88	1.52 2.00	30.2 25.0	90422

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90743	Tennessee Chemical Co. (Armour owned), Louisville, Cincinnati, Nashville.—Con. Ox High-grade Tobacco Grower....	R. E. Moore, Madisonville..... Guaranteed
90780	Ox Brand 3-18-3 Fertilizer.....	Manufacturer Guaranteed
90803	Ox 4-16-4 Guano	Manufacturer Guaranteed
90804	Ox 2-16-2 Guano	Manufacturer Guaranteed
90805	Ox 2-12-2 Guano	Manufacturer Guaranteed
90806	Ox 1-12-1 Guano	Manufacturer Guaranteed
90807	Ox 0-12-4 Guano	Manufacturer Guaranteed
90808	Ox 2-8-2 Guano	Manufacturer Guaranteed
90837	Ox 0-10-4 Guano	Manufacturer Guaranteed
90401	Tennessee Coal, Iron and R. R. Co., Birmingham, Ala. 16% Duplex Basic Phosphate.....	Science Hill Flour & Feed Co. Science Hill
90402		Farmers Union Supply Co., Franklin.....
91039		Morganfield Hdw. & Grocery Co., Morganfield
91040		Farmers Union Supply Co., Glasgow Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
10.70 10.00	2.30 1.00	13.00 11.00			1.13	1.80 1.65	2.19 2.00	0.84	8.50 10.00	37.9 37.0	90743
19.20 18.00	0.80 1.00	20.00 19.00			2.64	2.64 2.47	3.20 3.00	3.33 3.00		43.7 40.9	90780
16.75 16.00	0.80 1.00	17.55 17.00			3.40	3.40 3.29	4.13 4.00	4.30 4.00		44.2 42.4	90803
16.60 16.00	0.70 1.00	17.30 17.00			1.72	1.72 1.65	2.09 2.00	2.17 2.00		34.7 23.4	90804
12.00 12.00	0.60 1.00	12.60 13.00			1.62	1.62 1.65	1.97 2.00	2.01 2.00		27.1 27.4	90805
12.90 12.00	7.05 1.00	19.95 13.00			0.65	0.94 0.82	1.14 1.00	1.20 1.00		27.4 22.9	90806
11.70 12.00	0.90 0.50	12.60 12.50						4.04 4.00		22.4 22.8	90807
8.00 8.00	14.60 1.00	22.60 9.00			1.44	1.69 1.65	2.05 2.00	2.44 2.00		27.5 21.4	90808
10.20 10.00	10.60 0.50	20.80 10.50						4.79 4.00		21.1 19.8	90837
		16.40 16.85								19.8 20.2	90401 90402
		16.15 16.85 16.00								19.4 20.2 19.2	91039 91040

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90744 90745	Tennessee Copper & Chemical Corporation, Lockland, Ohio. 16% Acid Phosphate	Boone County Farm Bureau, Florence.... Boone Co. Farm Bureau, Burlington.... Guaranteed
90109	4-12-0	Manufacturer
90746 90747	3-8-6	Farmers Supply Co., Richmond..... Boone County Farm Bureau, Florence.... Guaranteed
69487	Victor Guano Co., Nashville, Tenn. High-grade Guano	Manufacturer
69488	Kentucky Home Guano	Manufacturer
69489	Victor Favorite	Manufacturer
69490	Standard Tobacco Grower	Manufacturer
69491	High-grade Tobacco Grower.....	Manufacturer
69493	High-grade Tobacco and Truck Special	Manufacturer
91041	Victor Acid Phosphate	Lambert-Gresham Hdw. Co., Henderson.. Guaranteed
69495	Premium Acid Phosphate	Manufacturer

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Victor Guano Co., Nashville, Tenn.—Con.	
69496	20% Acid Phosphate	Manufacturer Guaranteed
69497	High-grade Potash Mixture.....	Manufacturer Guaranteed
69499	Bone Meal and Phosphate.....	Manufacturer Guaranteed
90788	Victor Standard	Manufacturer Guaranteed
	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis.	
90403	V-C 16% Acid Phosphate	E. T. Ford, Cave City.....
90404		Tartar & Burton, W. Somerset.....
90751	V. G. 16% Acid Phosphate.....	Taylor County Sup. Co., Campbellsville..
91042		E. T. Ford, Cave City.....
91043		Tartar & Burton, Norfleet.....
91044		H. A. Spradlin, Monticello
		Guaranteed
90752	V-C 20% Acid Phosphate	Roy Clark, Berea
90753		John Butcher & Co., Paintsville.....
		Guaranteed
90405	V-C 24% Acid Phosphate.....	Farm Bureau Sup. Co., Elizabethtown..
90754		Taylor County Sup. Co., Campbellsville..
91045		Tartar & Burton, Norfleet.....
		Guaranteed
90406	V-C Capitol Phosphate and Potash	Tarter & Burton, W. Somerset.....
90755		J Stotz, Greenville.....
91047		Tarter & Burton, Norfleet
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
25.90 20.00	1.10	27.00								31.1 24.0	69496
13.80 10.00	7.30 4.00	21.10 14.00						4.86 4.00		26.5 19.8	69497
		20.80 20.00	70	30		1.06 0.82	1.29 1.00			25.0 23.3	69499
10.25 8.00	5.15 4.00	15.40 12.00			0.87	1.62 1.65	1.97 2.00	2.28 2.00		26.7 22.6	90788
18.00 17.10 17.60 17.55 17.10 17.05 16.00	2.70 5.55 2.50 4.20 4.50 4.65	20.70 22.65 20.10 21.75 21.60 21.70								21.6 20.5 21.1 21.1 20.5 20.5 19.2	90403 90404 90751 91042 91043 91044
20.85 21.00 20.00	2.50 2.50	23.35 23.50								25.0 25.2 24.0	90752 90753
25.15 24.95 26.80 24.00	0.25 1.45 1.40	25.40 26.40 28.20								30.2 29.9 32.2 28.8	90405 90754 91045
10.10 10.15 11.30 10.00	9.60 3.15 6.25	19.70 13.30 17.55						4.87 5.34 5.72 5.00		24.8 21.6 23.9 21.0	90406 90755 91047

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis. —Con.	
90407	V-C Farmer's Friend	Ratliff Hdw. Co., Princeton
90408		Ed. G. Scruggs, Adairville.....
90757		John Butcher & Co., Paintsville.....
90758		Taylor County Sup. Co., Campbellsville
91048		Tartar & Burton, Norfleet.....
		Guaranteed
90409	V-C Beef, Blood and Bone BBB.....	Tarter & Burton, W. Somerset.....
90410		Ratliff Hdw. Co., Princeton.....
90411		Farmers Bureau Sup. Co., Elizabethtown
90759		Taylor County Sup. Co., Campbellsville
91049		Tartar & Burton, Norfleet.....
91050		Taylor County Sup. Co., Campbellsville
		Guaranteed
90083	V-C Springfall Fertilizer	Manufacturer
		Guaranteed
90084	V-C Progressive Farmer	Manufacturer
		Guaranteed
90085	V-C-Jumbo Fertilizer	Manufacturer
		Guaranteed
90760	V-C Big Potato and Truck	C. A. Casteel, E. Bernstadt.....
90761		Oaks & Gaines, Russell Springs.....
		Guaranteed
90087	V-C Tobacco Plant Food.....	Manufacturer
		Guaranteed
90412	V-C 2-8-4 Tobacco Special (Pot- ash from Sulphate)	H. A. Spradlin, Monticello.....
90413		Farm Bureau Sup. Co., Elizabethtown....
90762		C. A. Casteel, E. Bernstadt.....
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.55	7.55	17.10			0.60	0.94	1.14	2.67	2.83	21.0	90407
9.00	8.50	17.50			0.53	0.90	1.09	2.81		23.9	90408
9.20	7.95	17.15				0.83	1.05	1.27		24.6	90757
9.70	7.95	17.65			0.54	0.88	1.07	2.94		24.8	90758
8.25	10.00	18.25			0.76	1.06	1.29	3.01		24.2	91048
8.00	2.00	10.00				0.82	1.00	3.00		19.7	
8.50	3.70	12.20			1.23	1.47	1.78	2.09		22.6	90409
8.75	8.10	16.85			1.11	1.56	1.89	2.41		25.5	90410
8.45	8.15	16.60			1.13	1.66	2.02	2.90		26.1	90411
9.50	6.40	15.90			1.01	1.65	2.00	2.75		26.7	90759
8.40	9.20	17.60			1.36	1.62	1.97	2.10		25.3	91049
8.30	8.10	16.40			1.00	1.60	1.94	1.81		24.3	91050
8.00	2.00	10.00				1.65	2.00	2.00		21.8	
12.50	2.90	15.40			1.30	1.58	1.92	1.78		28.4	90083
12.00	2.00	14.00				1.65	2.00	2.00		27.8	
16.50	1.70	18.20			1.38	1.60	1.94	2.27		34.6	90084
16.00	2.00	18.00				1.65	2.00	2.00		33.8	
18.60	2.20	20.80			2.30	2.55	3.10	3.09		42.7	90085
18.00	2.00	20.00				2.47	3.00	3.00		41.3	
12.20	2.00	14.20			2.03	2.31	2.80	4.89		34.2	90760
13.30	2.10	15.40			2.69	2.91	3.53	4.07		37.3	90761
12.00	2.00	14.00				2.47	3.00	4.00		33.5	
10.95	1.70	12.65			1.63	2.85	3.46			28.5	90087
9.00	2.00	11.00				2.47	3.00			24.2	
8.40	8.60	17.00			1.63	1.91	2.32	4.44		30.3	90412
9.25	9.90	19.15			1.31	1.83	2.22	4.27		31.6	90413
7.90	10.40	18.30			1.52	1.85	2.25	4.78		29.2	90762
8.00	2.00	10.00				1.65	2.00	4.00		25.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis. —Con.	
90414 90763 90764	V-C Tobacco and Truck Special....	Ratliff Hdw. Co., Princeton..... A. W. Tarter, Columbia..... R. M. Bagby, Grayson..... Guaranteed
90415 90765	V-C Super Thirty Fertilizer	Ed. G. Scruggs, Adairville..... Oaks & Gaines, Russell Springs..... Guaranteed
91051	V-C Raw Bone Meal	Tarter & Burton, Norfleet..... Guaranteed
90416 91052 91053	V-C Champion Corn and Wheat Grower	Tarter & Burton, W. Somerset..... Farmers Union Supply Co., Glasgow.... Tarter & Burton, Norfleet..... Guaranteed
90799	V-C Phospho Tobacco	Manufacturer
		Guaranteed
90800	V-C Pure Bone Meal (Steamed)....	Manufacturer
		Guaranteed
90838	Mt. Pleasant Big Winner Acid Phosphate	Manufacturer
		Guaranteed
90839	Mt. Pleasant High-grade Acid Phosphate	Manufacturer
		Guaranteed
91054	Mt Pleasant Grain Grower.....	Hatter Hardware Co., Franklin..... Guaranteed
90842	Mt. Pleasant Wheat Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.20	8.50	16.70			2.14	2.52	3.06		6.20	35.1	90414
8.70	7.75	16.45			1.97	2.51	3.05		6.26	33.7	90763
8.40	7.20	15.60			2.20	2.54	3.08		7.02	36.2	90764
8.00	2.00	10.00				2.47	3.00		6.00	31.7	
18.80	1.00	19.80			4.13	4.78	5.80	6.69		55.8	90415
19.25	1.15	20.40			4.64	4.64	5.63	5.80		54.9	90765
18.00	2.00	20.00				4.94	6.00	6.00		54.8	
		20.30	86	14		3.68	4.47			35.0	91051
		20.00				3.71	4.50			34.8	
8.30	8.40	16.70			0.86	0.86	1.04	2.01		21.7	90416
7.85	9.65	17.50			0.41	0.89	1.08	2.06		21.7	91052
7.40	10.90	18.30			0.70	1.02	1.24	2.33		22.3	91053
8.00	2.00	10.00				0.82	1.00	2.00		18.5	
16.20	5.10	21.30								19.4	90799
16.00										19.2	
		28.70	79	21		1.50	1.82			34.7	90800
		29.00				1.03	1.25			33.1	
15.60	5.50	21.10								18.7	90838
16.00										19.2	
20.90	1.10	22.00								25.1	90839
20.00										24.0	
12.50	4.00	16.50						1.69		20.8	91054
12.00								2.00		20.4	
9.30	6.20	15.50			0.44	0.87	1.06	2.32		22.7	90842
8.00	2.00	10.00				0.82	1.00	2.00		18.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90843	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis. —Con. Mt. Pleasant Special Wheat Grower	Manufacturer Guaranteed
91056	Mt. Pleasant Springfall Fertilizer	Hatter Hardware Co., Franklin..... Guaranteed
90845	Grigsby's Special	Manufacturer Guaranteed
90126	Wilson & Co., New Albany, Ind. Red "W" Brand High-grade To- bacco and Truck Grower	Manufacturer Guaranteed
90127	Red "W" Brand Tobacco Grower	Manufacturer Guaranteed
90130	Red "W" Brand Two in One.....	Manufacturer Guaranteed
90133	Red "W" Brand Corn and Wheat Special	Manufacturer Guaranteed
90136	Red "W" Brand 12-12	Manufacturer Guaranteed
90137	Red "W" Brand 10-10 Hummer	Manufacturer Guaranteed
90418	Red "W" Brand Acid Phosphate 16%	G. B. Pruitt, Moreland..... Taylor County Sup. Co., Campbellsville J. W. Burton, Columbia..... Guaranteed
90767		
91059		

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
7.35 8.00	9.25 2.00	16.60 10.00			1.22	1.75 1.65	2.12 2.00	2.22 2.00		24.4 21.8	90843
12.10 12.00	2.60 2.00	14.70 14.00			1.21	1.72 1.65	2.09 2.00	2.39 2.00		28.9 27.8	91056
10.60 10.00	7.20 2.00	17.80 12.00			0.41	0.89 0.82	1.08 1.00	0.92 1.00		23.4 20.3	90845
10.05 10.00	2.70 4.00	12.75 14.00			1.59	2.38 2.47	2.89 3.00	4.68 4.00		31.3 31.3	90126
8.50 8.00	2.95 4.00	11.45 12.00			1.59	2.43 2.47	2.95 3.00	6.46 6.00		31.4 30.7	90127
15.95 16.00	2.90 4.00	18.85 20.00			0.80	1.69 1.65	2.05 2.00	2.08 2.00		34.4 34.6	90130
9.05 8.00	1.75 4.00	10.80 12.00			1.13	1.77 1.65	2.15 2.00	2.89 2.00		24.8 22.6	90133
11.90 12.00	0.60 4.00	12.50 16.00						12.67 12.00		33.1 32.4	90136
9.90 10.00	0.35 4.00	10.25 14.00						9.84 10.00		26.7 27.0	90137
16.00 16.50 16.90 16.00	1.40 0.70 0.90 2.00	17.40 17.20 17.80 18.00								19.2 19.8 20.3 19.2	90418 90767 91059

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90139	Wilson & Co., New Albany, Ind. —Con. Red "W" Brand Acid Phosphate 20%	Manufacturer Guaranteed
90140	Red "W" Brand Raw Bone Meal	* Guaranteed
90178	Wood, Stubbs & Co., Inc., Louisville, Ky. Acme Special Potato Grower	Manufacturer Guaranteed
90179	Acme Blue Ribbon Potato Grower	Manufacturer Guaranteed
90180	Acme 3-8-6 Potato Grower	Manufacturer Guaranteed
90181	Acme High-grade Vegetable Grower	Manufacturer Guaranteed
90182	Acme Wheat and Corn Grower.....	Manufacturer Guaranteed
90183	Acme Truckers Special	Manufacturer Guaranteed
90184	Acme Phosphate	Manufacturer Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
21.50 20.00	0.20 2.00	21.70 22.00								25.8 24.0	90139
		20.00				3.71	4.50			34.8	90140
9.10 8.00	0.50 2.00	9.60 10.00			1.31	1.72 1.65	2.09 2.00	0.76	2.58 3.00	25.5 23.9	90178
8.50 8.00	1.15 2.00	9.65 10.00			1.07	1.66 1.65	2.02 2.00	1.05	5.21 6.00	29.0 28.4	90179
8.90 8.00	0.70 2.00	9.60 10.00			2.02	2.64 2.47	3.20 3.00	1.00	5.50 6.00	33.6 31.7	90180
11.80 10.00	1.00 2.00	12.80 12.00			2.49	3.29 3.29	4.00 4.00			31.3 29.0	90181
12.95 10.00	0.65 2.00	13.60 12.00			0.55	0.55 0.41	0.67 0.50	1.31 1.00		23.5 18.6	90182
12.10 10.00	0.70 2.00	12.80 12.00			1.45	1.94 1.65	2.36 2.00	4.74 4.00		31.9 27.2	90183
18.20 16.00	0.80 2.00	19.00 18.00								21.8 19.2	90184

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69979	A. D. Adair and McCarty Bros., Inc., Atlanta, Ga., and Chattanooga, Tenn. A. and M. High Grade Complete Fertilizer No. 765	Manufacturer Guaranteed
90446	The American Agricultural Chem. Co., Inc., Cincinnati, O. †Bowker's High Grade Potash Tobacco Grower	Hill-Lawson Co., Middlesboro..... Jones Brothers, Greenville..... Guaranteed
90447		
90212	†Michigan Carbon Paramount Fertilizer	J. F. Collings, Shepherdsville..... Guaranteed
90459	†Michigan Carbon Homestead Bone Black Fertilizer	Lebanon Carriage and Impl. Co., Lebanon Lebanon Carriage and Impl. Co., Lebanon Guaranteed
90863		
90217	†Michigan Carbon Homestead High Potash Tob. Gr.	Yopp Seed Co., Paducah..... Guaranteed
90462	†Michigan Carbon Homestead Potato and Tobacco Spl.	Greenup Milling Co., Grayson..... Guaranteed
90466	†Horseshoe Paramount Fertilizer....	Wm. Addams Co., Cynthiana..... Guaranteed
90227	Horseshoe High Potash Tobacco Grower	F. M. Mitchell, Scottsville..... Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
7.55 7.09	0.35	7.90			3.46	3.85 4.94	4.67 6.00	6.57 5.00		34.8 36.3	69979
8.10 9.10 8.00	1.45 1.85 2.00	9.55 10.95 10.00			2.02 1.63	2.22 1.87 1.65	2.70 2.27 2.00	7.23 9.03 10.00		30.3 32.7 31.4	90446 90447
6.65 8.00	2.85 2.00	9.50 10.00			2.00	2.48 2.47	3.01 3.00	1.84 6.00	4.83	30.5 31.7	90212
7.10 7.20 8.00	2.05 2.30 2.00	9.15 9.50 10.00			1.58 1.54	1.97 1.94 2.06	2.39 2.36 2.50	1.34 0.96 1.50	0.68	21.0 21.7 22.8	90459 90863
9.50 8.00	1.40 2.00	10.90 10.00			1.82	1.82 1.65	2.21 2.00	9.17 10.00		33.1 31.4	90217
11.05 8.00	1.55 2.00	12.60 10.00			1.33	1.64 1.65	1.99 2.00	1.04 5.00	3.06	29.6 26.9	90462
6.35 8.00	3.30 2.00	9.65 10.00			2.06	2.59 2.47	3.14 3.00	1.56 6.00	5.33	31.1 31.7	90466
9.60 8.00	0.80 2.00	10.40 10.00			1.62	1.62 1.65	1.97 2.00	9.00 10.00		32.0 31.4	90227

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90238	Armour Fertilizer Works, Louis- ville, Cincinnati, Nashville.	
90479	†Big Crop 4-16-4 Fertilizer.....	Henderson and Hurdy Co., Shepherds- ville
90480		L. T. Clore and Son, Burlington.....
90481		Brent and Co., Paris.....
		Humphrey Bros., Bloomfield.....
		Guaranteed
90246	†Big Crop Dark Tobacco Grower...	Johnson and Wilson, Auburn.....
		Guaranteed
90885	†Big Crop Bone Meal	Lebanon Carriage and Impl. Co., Lebanon
		Guaranteed
90490	Big Crop 4-12-0 Fertilizer.....	Knox County Supply Co., Barbourville..
		Guaranteed
90249	†Big Crop 0-10-4 Fertilizer	F. L. Smith, Adairville.....
		Guaranteed
69964	The Buhner Fertilizer Co., Sey- mour, Ind.	
	Buhner's High Grade Tobacco Grower (Potash from Sulphate)	Manufacturer
		Guaranteed
90250	†Buhner's Special Tobacco Grower	G. F. Davis, Mt. Vernon.....
		Guaranteed
69968	Buhner's Grain Grower.....	Manufacturer
		Guaranteed
90894	†Buhner's Crop Grower	J. S. McMurtry, Elizabethtown.....
		Guaranteed
90252	†Buhner's Special Crop Grower	A. P. Thompson, Horse Cave.....
90897		J. H. and J. L. Lyon, Loretto.....
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
15.65	0.60	16.25			2.80	2.80	3.40	3.72		35.4	90238
16.60	0.70	17.30			2.90	2.90	3.52	3.81		41.4	90479
16.00	0.70	16.70			2.90	2.90	3.52	3.97		40.6	90480
15.95	0.55	16.50			3.00	3.00	3.64	4.08		41.1	90481
16.00	1.00	17.00				3.29	4.00	4.00		42.4	
10.30	2.90	13.20			1.06	1.65	2.00	2.16	0.58	26.7	90246
8.00	1.00	9.00				1.65	2.00		4.00	25.0	
		24.55	78	22		3.40	4.13			38.2	90885
		27.00				2.47	3.00			36.9	
12.60	0.80	13.40			1.50	2.54	3.08			29.4	90490
12.00	1.00	13.00				3.29	4.00			31.6	
10.20	4.45	14.65						3.47		19.5	90249
10.00	0.50	10.50						4.00		19.8	
7.10	1.60	8.70			1.41	2.01	2.44	6.62		29.3	69964
8.00	2.00	10.00				2.47	3.00		6.00	31.7	
15.30	0.85	16.15			2.40	2.77	3.36	5.24		40.7	90250
16.00	2.00	18.00				3.29	4.00	4.00		42.8	
9.55	1.30	10.85			0.44	0.70	0.85	5.56		24.2	69968
8.00	2.00	10.00				1.65	2.00	2.00		21.8	
6.20	4.50	10.70			0.74	1.58	1.92	2.34		20.2	90894
8.00	4.00	12.00				1.65	2.00	2.00		22.6	
8.65	3.20	11.85			0.81	1.57	1.91	5.26		26.9	90252
8.00	3.60	11.60			0.70	1.65	2.00	5.20		26.3	90897
8.00	4.00	12.00				1.65	2.00	6.00		27.4	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90008	Calumet Fertilizer Co., New Albany, Ind. Calumet Brand Twelve Twelve.....	Manufacturer Guaranteed
90009	Calumet Brand Ten Ten Hummer..	Manufacturer Guaranteed
90506	Calumet Brand Tobacco Grower...	Harvey Stout and Son, Fern Creek..... Guaranteed
69999	Calumet Brand Two Twelve Six....	Manufacturer Guaranteed
90255	†Calumet Brand Two Twelve Two..	J. H. Jasper, W. Somerset..... Guaranteed
90507	†Calumet Brand Ky. Tobacco Grower	Leslie Montgomery, Greensburg..... Guaranteed
90512	†Calumet Brand Potato and Tobacco Special	H. C. Griffin, Sebree..... Guaranteed
90513	†Calumet Brand Corn and Wheat Special	L. C. Goering, Hawesville..... Vine Grove Feed Co., Vine Grove..... Guaranteed
90902		
90516	Calumet Brand Onion and Tobacco Grower	Farmers Supply Co., Williamsburg..... Guaranteed
	Consolidated Chemical Co., Louisville, Ky.	
69662	Camel Brand Raw Bone.....	Manufacturer Guaranteed
90200	Camel Brand 20% Phosphate.....	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
11.90 12.00	0.60 4.00	12.50 16.00						12.67 12.00		33.1 32.4	90008
9.90 10.00	0.35 4.00	10.25 14.00						9.84 10.00		26.7 27.0	90009
7.60 8.00	3.70 4.00	11.30 12.00			1.21	2.11 2.47	2.56 3.00	4.89 6.00		27.2 30.7	90506
11.20 12.00	2.25 4.00	13.45 16.00			0.45	1.70 1.65	2.06 2.00	9.82 6.00		36.3 33.4	69999
10.80 12.00	3.25 4.00	14.05 16.00			0.95	1.72 1.65	2.09 2.00	2.36 2.00		27.2 28.6	90255
7.70 8.00	2.80 4.00	10.50 12.00			0.84	1.47 1.65	1.78 2.00	7.99 8.00		28.1 29.8	90507
7.45 8.00	2.95 4.00	10.40 12.00			0.82	1.54 1.65	1.87 2.00	5.10 5.00		24.6 26.2	90512
7.65 7.15 8.00	2.55 3.60 4.00	10.20 10.75 12.00			0.84 0.96	1.51 1.53 1.65	1.83 1.86 2.00	2.25 2.22 2.00		21.2 21.0 22.6	90513 90902
8.70 8.00	1.60 4.00	10.30 12.00				0.37 0.82	0.45 1.00	3.68 3.00		19.6 20.5	90516
		20.00 22.00	90	10		4.10 3.71	4.98 4.50			36.4 36.8	69662
16.75 20.00	0.80 2.00	17.55 22.00								20.1 24.0	90200

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90919	The Empire Guano Co., Nashville, Tenn. †Red Banner 20% Acid Phosphate..	G. M. Stevenson, Columbia..... Guaranteed
69485	Pure Raw Bone Meal	Manufacturer
		Guaranteed
90532	Evansville Fertilizer Co., Evansville, Ind. Superb Tobacco Special	Atherton, Kidd Co., Livermore..... Guaranteed
90533	Superb Tobacco Booster	Atherton, Kidd Co., Livermore..... Guaranteed
69953	Superb Vegetable Special	Manufacturer
		Guaranteed
90537	Superb Ten-Ten	Atherton-Kidd Co., Livermore.....
90538		Lambert-Gresham Hdw. Co., Henderson Guaranteed
90113	Falls City Fertilizer Co., New Albany, Ind. Falls City Br. Two Twelve Six.....	Manufacturer
		Guaranteed
90114	Falls City Br. Two Twelve Two...	Manufacturer
		Guaranteed
90117	Falls City Br. Potato and Tobacco Special	Manufacturer
		Guaranteed
90119	Falls City Br. Onion and Tobacco Grower	Manufacturer
		Guaranteed
90120	Falls City Br. Crop Grower.....	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
18.00 20.00	2.05	20.05								21.6 24.0	90919
		19.80 22.00	75	25		2.85 3.71	3.46 4.50			31.2 36.8	69485
8.70 10.00	2.30	11.00			1.48	2.52 3.29	3.06 4.00	4.11 4.00		29.0 33.0	90532
10.30 8.00	1.90	12.20			1.41	2.32 2.47	2.82 3.00	5.01 6.00		31.5 29.1	90533
9.95 12.00	0.25	10.20			1.32	1.54 1.65	1.87 2.00	4.83 6.00		27.0 31.8	69953
10.90 11.00 10.00	3.30 2.60	14.20 13.60						8.96 0.84 10.00	7.85	27.1 29.3 27.0	90537 90538
11.20 12.00	2.25 4.00	13.45 16.00			0.45	1.70 1.65	2.06 2.00	9.82 6.00		36.3 33.4	90113
13.05 12.00	2.20 4.00	15.25 16.00			0.25	1.28 1.65	1.55 2.00	2.55 2.00		28.6 28.6	90114
7.35 8.00	2.25 4.00	9.60 12.00			0.80	1.60 1.65	1.94 2.00	6.54 5.00		26.2 26.2	90117
7.80 8.00	1.30 4.00	9.10 12.00				0.80 0.82	0.97 1.00	2.92 3.00		18.9 20.5	90119
8.30 8.00	1.50 4.00	9.80 12.00			0.55	0.87 0.82	1.06 1.00	1.30 1.00		18.1 18.1	90120

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90543	Federal Chemical Co., Inc., Louisville, Ky. Spl. Mixture Tobacco and Vegetable Grower	A. W. Tarter, Columbia..... Guaranteed
90263	†Spl. Tobacco Maker	Farmers Supply Co., Paducah..... Guaranteed
90923	Loam Land Fertilizer	H. E. Beck, Murl..... Guaranteed
90924	Mid-West High Grade Mixture....	Guenther Hardware Co., Owensboro..... Guaranteed
90553	†Best Burley Tobacco Grower.....	Jones Bros., Kevil..... Guaranteed
90265	Special Mixture Potato and Tobacco Grower	I. H. Hummer & Co., Scottsville..... Jones & Co., LaCenter
90554		Guaranteed
90266	Plant Bed Special	**R. F. Collier, Paris..... J. C. Van Arsdell, Lawrenceburg..... Guenther Hdw. Co., Owensboro..... Guaranteed
90555		
90925		
90270	†Special Tobacco and Potato Grower	Rowland Coal Yards, Rowland..... Guaranteed
90559	†Kentucky Tobacco and Potato Grower	Pollard Bros., Cropper..... Grayson County Sup. Co., Leitchfield.... Guaranteed
90560		
90561	3-8-10 Special Mixture Tobacco Grower	Trent & Mitcham, Irvington..... Guaranteed

**The tag on this sample called for 14% total phosphoric acid.

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.85 8.00	0.70 2.00	9.55 10.00			0.91	1.29 1.23	1.57 1.50	5.12 6.00		24.9 24.9	90543
8.40 10.00	9.15 2.00	17.55 12.00			0.46	1.26 1.65	1.53 2.00	3.67 2.00		25.7 24.8	90263
10.70 12.00	1.90 2.00	12.60 14.00			1.20	1.84 1.65	2.23 2.00	2.13 2.00		26.7 27.8	90923
11.30 10.00	2.90 2.00	14.20 12.00			0.41	1.36 1.65	1.65 2.00	3.38 4.00		27.6 27.2	90924
8.75 8.00	2.20 2.00	10.95 10.00			0.40	1.30 1.65	1.58 2.00	5.59		25.9 30.7	90553
8.85 9.65 8.00	3.90 2.70 2.00	12.75 12.35 10.00			0.35 0.75	1.22 1.70 1.65	1.48 2.06 2.00	3.92 6.25 7.50	2.34	27.9 29.9 28.4	90265 90554
10.55 9.00 11.30 10.00	0.60 0.75 3.10 2.00	11.15 9.75 14.40 12.00			1.98 2.51 1.06	2.51 3.13 1.80 2.47	3.05 3.80 2.19 3.00	0.56 1.04 1.64	2.41 2.22 0.80 3.00	30.4 30.9 28.6 30.2	90266 90555 90925
8.65 8.00	0.50 2.00	9.15 10.00			1.31	1.73 2.47	2.10 3.00	6.34		27.7 31.7	90270
10.90 8.80 8.00	0.70 1.20 2.00	11.60 10.00 10.00			1.93 1.96	2.32 2.44 2.47	2.82 2.96 3.00	2.40 4.68 6.00	2.14	32.0 29.1 29.9	90559 90560
7.95 8.00	1.20 2.00	9.15 10.00			1.98	2.57 2.47	3.12 3.00	9.23 10.00		33.8 34.7	90561

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90271 90566 90929	Federal Chemical Co., Inc., Louisville, Ky.—Con. Pure Bone	Planters Hdw. Co., Hopkinsville..... I. K. Miller & Sons, Campbellsville..... Big Four Co., Franklin..... Guaranteed
90930	Official Formula 2-16-2	E. L. Pearson, Auburn..... Guaranteed
90931	†Double Formula 2-16-8	E. L. Pearson, Auburn..... Guaranteed
90574 90575	†Daybreak Wheat and Corn Special	J. W. Hibbard, McWhorter..... Turner & Turnstill, Lewisburg
90578	†Daybreak Tobacco Grower	J. W. Hibbard, McWhorter..... Guaranteed
90581	†Daybreak 16% Phosphate	A. W. Tarter, Columbia..... Guaranteed
90276	Fox Chem. Co., Br. Federal Chem. Co., Inc., Louisville, Ky. Fox High-grade Special.....	J. N. Frost, Gap Creek..... Guaranteed
90583	†Fox Formula	Clem Keltner, Campbellsville..... Guaranteed
90589	Globe Fertilizer Co., Br. Federal Chem. Co., Inc., Louisville, Ky. †Globe Blood, Bone Phosphate and Potash	L. W. Jones, Greasy Creek
90592	Progress Tobacco Grower	H. C. Rogers, Russell Springs..... Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
		25.55 27.20 24.40 30.00	77 79 84	23 21 16		3.10 3.02 3.63 1.03	3.76 3.67 4.41 1.25			38.0 39.3 38.9 34.1	90271 90566 90929
15.90 16.00	2.00 2.00	17.90 18.00			1.04	1.29 1.65	1.57 2.00	1.89 2.00		32.1 33.8	90930
12.15 16.00	2.85 2.00	15.00 18.00			0.86	1.18 1.65	1.43 2.00	4.62 8.00		29.6 41.0	90931
10.00 9.75 11.00	1.10 9 10 2.00	11.10 18.85 13.00			0.20	0.55 0.37 9.41	0.67 0.45 0.50	1.21 1.23 1.00		19.1 21.2 20.1	90574 90575
7.55 8.00	1.25 2.00	8.80 10.00			0.91	1.43 1.65	1.74 2.00	1.78 2.00		19.7 21.8	90578
14.40 16.00	4.20	18.60								17.3 19.2	90581
12.30 11.00	0.90 2.00	13.20 13.00			0.24	0.42 0.41	0.51 0.50	4.27 5.00		25.6 24.9	90276
11.80 11.00	1.40 2.00	13.20 13.00			0.53	0.94 0.82	1.14 1.00	2.33 3.00		24.8 24.2	90583
8.25 11.00	2.75 2.00	11.00 13.00				0.43 0.41	0.52 0.50	0.97 1.00		16.4 20.1	90589
10.35 10.00	2.85 2.00	13.20 12.00			0.40	0.78 0.82	0.95 1.00	1.39 2.00		21.5 21.5	90592

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fertilizer Co., Br. Federal Chem. Co., Inc., Louisville, Ky. —Con.	
90284	†Universal Crop and Tobacco	Big Four Co., Franklin.....
90597	Grower	J. O. Holt, Esto.....
		Guaranteed
90285	†Big 4 Tobacco Grower	A. L. Harmon & Son, Junction City.....
90598		F. F. Dudley, Flemingsburg.....
		Guaranteed
90290	Globe Potash Mixture.....	Big Four Co., Franklin.....
90957		Big Four Co., Franklin.....
		Guaranteed
	Hopkins Fertilizer Co., New Albany, Ind.	
90152	Hopkins Old Time Steamed Bone..	Manufacturer
		Guaranteed
	International Ag. Corp., Inc., Cincinnati, O., Memphis, Tenn.	
90970	†Lime and Phosphate Special	W. F. Grainger, Franklin.....
		Guaranteed
90971	Buffalo Grain and Grass Grower..	W. F. Grainger, Franklin.....
		Guaranteed
90624	Multiple Strength 4-24-4.....	V. B. Nuckols, Elkton
		Guaranteed
	Joslin-Schmidt Corp. (Groves Fert. Works,) Cincinnati, Ohio.	
90311	†Square Brand 2-8-16	H. D. Jones, Glasgow
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
7.85	4.15	12.00				0.70	0.85	3.41		20.3	90284
8.45	8.15	16.60			0.24	0.80	0.97	2.66		22.3	90597
8.00	2.00	10.00				0.82	1.00	4.00		20.9	
8.60	0.90	9.50			0.84	1.16	1.41	2.48		20.9	90285
8.20	1.20	9.40			1.17	1.66	2.02	1.54		21.3	90598
8.00	2.00	10.00				1.65	2.00	2.00		21.8	
11.70	3.00	14.70						2.97		20.1	90290
11.30	4.10	15.40						3.18		20.8	90957
10.00								4.00		19.8	
		24.70	70	30		2.56	3.11			34.9	90152
		27.00				2.47	3.00			36.9	
11.75	1.95	13.70								14.1	90970
13.00										15.6	
7.45	1.35	8.80			0.31	0.68	0.83	1.74		16.5	90971
8.00	2.00	10.00				0.82	1.00	2.00		18.5	
23.35	1.50	24.85			2.17	2.72	3.30	6.23		54.0	90624
24.00	2.00	26.00				3.29	4.00	4.00		54.8	
8.60	1.60	10.20			0.64	1.43	1.74	14.45		36.6	90311
8.00	1.00	9.00				1.65	2.00	16.00		38.2	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90652	Kentucky Fertilizer Co., Br. Federal Chem. Co., Inc., Louisville, Ky. O. K. Corn, Wheat and Oats Grower	Grover Lay, Greasy Creek Landing..... Guaranteed
90657	O. K. Crop and Tobacco Grower....	Forest McIntyre, Maceo
90662	O. K. Raw Bone.....	Guenther Hdw. Co., Owensboro..... Guaranteed
69692	Louisville Fertilizer Co. (Armour owned), Louisville, Cincinnati, Nashville. Louisville 2-10-4 Fertilizer.....	Manufacturer
90775	Sheep Manure	Guaranteed
69540	Mt. Pleasant Fert. Co., Inc., (Sub. of Va.-Car. Chem. Corp.), Nashville, Memphis. Mt. Pleasant 20% Acid Phosphate..	Manufacturer
90345	Black Patch Universal	Guaranteed
90827	National Chemical Co., Louisville, Ky. Big Pay Steam Bone 1¼-30-0.....	Ed. G. Scruggs, Adairville..... Guaranteed
90828	Big Pay Raw Bone 4½-22-0.....	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.25 11.00	2.90 2.00	11.15 13.00				0.45 0.41	0.55 0.50	1.16 1.00		16.7 20.1	90652
9.60 8.00	3.20 2.00	12.80 10.00			0.36	0.95 0.82	1.15 1.00	3.01 4.00		23.1 20.9	90657
		19.45 22.00	63	37		3.81 3.71	4.63 4.50			34.7 36.8	90662
9.00 10.00	2.55 1.00	11.55 11.00			1.57	1.80 1.65	2.19 2.00	4.91 4.00		27.6 26.8	69692
1.50 2.00	0.50	2.00			0.23	1.30 1.65	1.58 2.00	1.58 1.20		9.6 11.0	90775
18.20 20.00	0.80	19.00								21.8 24.0	69540
13.60 12.00	6.45 2.00	20.05 14.00			1.27	1.27 1.65	1.54 2.00			28.1 25.4	90345
		28.50 30.00	84	16		1.55 1.03	1.88 1.25			34.7 34.1	90827
		19.10 22.00	39	61		3.90 3.71	4.73 4.50			34.7 36.8	90828

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90684	North American Fert. Co., Inc., Louisville, Ky. †N. A. Ky. Special Tobacco Grower	N. W. Mosley and W. A. Probus, Whitesville Guaranteed
90349	N. A. Tomato and Potato Fertilizer	Auburn Roller Mills, Auburn Guaranteed
90686	N. A. Special Tobacco and Potato Grower	Ben Helterbran, Lewisburg
90687		Futrell & Page, Gracey..... Guaranteed
90688	†N. A. Truck and Tobacco Grower..	Broadbuss & Robinson, Richmond..... Guaranteed
69567	N. A. Steamed Bone.....	Manufacturer Guaranteed
90694	N. A. Special Tobacco and Potato Fertilizer	Pleasureville Impl. Co., N. Pleasureville
90999		Mayhew Feed Co., Franklin..... Guaranteed
90705	Price Chemical Co., Inc., Louis- ville, Ky. †3-8-6 Tobacco Grower	Lelia M. Cooper, Mt. Vernon..... Guaranteed
90711	Steamed Bone Meal	Shelbyville Feed & Prod. Co., Shelbyville Guaranteed
69632	Raw Bone	Manufacturer Guaranteed
90798	4-16-4 Fertilizer	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
8.70 8.00	0.80 2.00	9.50 10.00			1.19	1.63 1.65	1.98 2.00	3.73 5.00		24.4 25.4	90684
11.60 12.00	2.45 2.00	14.05 14.00			0.78	1.38 1.65	1.68 2.00	3.90 6.00		28.6 32.6	90349
10.20 7.85 8.00	2.55 3.45 2.00	12.75 11.30 10.00			1.05 1.58	1.91 2.97 2.47	2.32 3.61 3.00	4.91 1.96	0.86 6.00	29.9 28.7 31.7	90686 90687
8.65 8.00	0.85 2.00	9.50 10.00			2.10	2.63 2.47	3.19 3.00	5.39 6.00		30.3 29.9	90688
		23.80 30.00	70	30		3.05 1.03	3.70 1.25			36.0 34.1	69567
9.35 10.25 8.00	1.15 1.85 2.00	10.50 12.10 10.00			1.88 0.66	2.36 1.60 2.47	2.87 1.94 3.00	4.79 5.92 6.00		29.7 29.6 29.9	90694 90999
9.10 8.00	1.20 2.00	10.30 10.00			1.58	2.38 2.47	2.89 3.00	1.08 4.27 6.00		31.4 31.7	90705
		18.45 24.00	74	26		2.95 2.47	3.58 3.00			30.3 33.9	90711
		20.00 22.00	90	10		4.10 3.71	4.98 4.50			36.4 36.8	69632
7.95 16.00	0.65 2.00	8.60 18.00			2.97	4.03 3.29	4.89 4.00	10.05 4.00		40.4 4.28	90798

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
90105	Rasin-Monumental Co. (Sub. of Va.-Car. Chemical Co., Inc., Cincinnati, Nashville, Memphis. Rasin's Pure Bone Meal (Steamed)	Manufacturer Guaranteed
90716	Read Phosphate Co., Nashville, Tenn. †Old Ky. Tobacco Special.....	Scott Lassiter Co., Murray..... Guaranteed
90375 90376	†High-grade Truck and Tobacco Special	Victor N. Smith, Bowling Green..... J. S. Hamblin & Son, Auburn..... Guaranteed
91017	†Kentucky Special	J. H. Jasper, W. Somerset..... Guaranteed
90724	Southern Fert. Co., Louisville, Ky. †Elk Tobacco Grower.....	Bush Coal Co., Winchester..... Guaranteed
90730 90731	Swift & Co., Inc., National Stock Yards, Ill. †Swift's Red Steer 3-8-6 Tobacco Grower	Shouse & Kercheval, Salt Lick..... J. W. Collier, Crab Orchard..... Guaranteed
90037	Swift's Red Steer 12-4	Manufacturer Guaranteed
90043	Swift's 2¼-29 Bone Meal Fertilizer	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
		25.60 27.00	80	20		2.19 1.65	2.66 2.00			34.4 33.6	90105
10.00 8.00	3.20 4.00	13.20 12.00			1.62	2.40 2.47	2.91 3.00	1.44	3.55 6.00	32.9 32.5	90716
11.45 9.30 8.00	2.90 8.35 4.00	14.35 17.65 12.00			1.09 1.42	1.71 1.95 1.65	2.08 2.37 2.00	7.28 1.32	5.18 8.00	33.9 34.4 32.2	90375 90376
9.10 8.00	11.20 4.00	20.30 12.00			0.27	0.52 0.41	0.63 0.50	3.15 4.00		24.0 20.0	91017
7.20 8.00	0.40 1.00	7.60 9.00			1.19	1.19 1.65	1.44 2.00	1.97	1.00	18.1 20.5	90724
10.50 8.80 8.00	0.35 0.40 1.00	10.85 9.20 9.00			1.42 1.72	1.84 2.33 2.47	2.23 2.83 3.00		4.44 5.45 6.00	29.9 30.9 31.7	90730 90731
12.50 12.00	0.40	12.90						2.64 4.00		21.9 22.8	90037
		27.70 29.00	80	20		2.24 1.85	2.72 2.25			37.7 36.4	90043

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
69715	Tennessee Chemical Co. (Armour owned), Louisville, Cincinnati, Nashville. Ox 2-10-4 Fertilizer	Manufacturer Guaranteed
90396	†Ox 4-16-4 Fertilizer	Young Hdw. Co., Hopkinsville..... Guaranteed
90737	Ox Burley Tobacco Grower	J. S. Duke, Crab Orchard..... Guaranteed
90400 90740	†Ox Bone Meal	W. F. Grainger, Franklin..... J. S. Duke, Crab Orchard..... Guaranteed
90785	Ox 4-12-4 Guano	Manufacturer Guaranteed
90750	Victor Guano Co., Nashville, Tenn. Ky. Soil Food	E. C. Humble, Jamestown..... Guaranteed
69498	Bone Meal	Manufacturer Guaranteed
91046	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis. †V-C Capitol Phosphate and Potash	L. G. Crutchfield, Pembroke..... Guaranteed
90756	V-C Prolific Grain Grower	R. M. Bagby, Grayson..... Guaranteed
90091	V-C Pure Bone Meal (Steamed) ..	Manufacturer Guaranteed
90093	V-C Plant Food for Vegetables, Lawns and Flowers	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.00 10.00	2.55 1.00	11.55 11.00			1.57	1.80 1.65	2.19 2.00	4.91 4.00		27.6 26.8	69715
15.35 16.00	1.15 1.00	16.50 17.00			3.13	3.13 3.29	3.80 4.00	4.10 4.00		40.9 42.4	90396
8.90 8.00	0.80 1.00	9.70 9.00			1.54	2.61 2.47	3.17 3.00	0.76 6.00	4.37	31.6 31.3	90737
		25.55 29.50 27.00	81 80	19 20		3.08 2.64 2.47	3.74 2.48 3.00			37.9 37.7 36.9	90400 90740
11.80 12.00	2.40 1.00	14.20 13.00			2.34	2.54 3.29	3.08 4.00	4.17 4.00		33.8 36.4	90785
10.70 8.00	4.50 4.00	15.20 12.00				0.62 0.41	0.75 0.50	3.22 4.00		24.2 20.0	90750
		19.80 22.00	75	25		2.85 3.71	3.46 4.50			31.2 36.8	69498
9.00 10.00	2.35	11.35						5.35 5.00		19.8 21.0	91046
13.05 12.00	8.05	21.10						1.31 2.00		21.2 20.4	90756
		25.60 27.00	80	20		2.19 1.65	2.66 2.00			34.4 33.6	90091
7.85 8.00	1.90 2.00	9.75 10.00			3.77	5.24 4.94	6.36 6.00	0.68 3.00	1.41	36.4 36.2	90093

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
91055	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis. —Con. Mt. Pleasant Phosphate and Pot- ash	Hatter Hdw. Co., Franklin..... Guaranteed
90128	Wilson & Co., New Albany, Ind. Red "W" Brand 2-12-6.....	Manufacturer Guaranteed
90129	Red "W" Brand 2-12-2	Manufacturer Guaranteed
90417	Red "W" Brand Ky. Tobacco Grower	G. B. Pruitt, Moreland..... Guaranteed
90132	Red "W" Brand Potato and To- bacco Special	Manufacturer Guaranteed
90134	Red "W" Brand Onion and To- bacco Grower	Manufacturer Guaranteed
90135	Red "W" Brand Crop Grower.....	Manufacturer Guaranteed
90185	Wood, Stubbs & Co., Inc., Louis- ville, Ky. Acme Extra Phosphate.....	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulphate		
9.15 10.00	2.20 2.00	11.35 12.00						4.93 5.00		19.7 21.0	91055
11.20 12.00	2.25 4.00	13.45 16.00			0.45	1.70 1.65	2.06 2.00	9.82 6.00		36.3 33.4	90128
13.05 12.00	2.20 4.00	15.25 16.00			0.25	1.28 1.65	1.55 2.00	2.55 2.00		28.6 28.6	90129
7.90 8.00	2.70 4.00	10.60 12.00			0.76	1.55 1.65	1.88 2.00	7.19 8.00		27.8 29.8	90417
7.35 8.00	2.25 4.00	9.60 12.00			0.80	1.60 1.65	1.94 2.00	6.54 5.00		26.2 26.2	90132
7.80 8.00	1.30 4.00	9.10 12.00				0.80 0.82	0.97 1.00	2.92 3.00		18.9 20.5	90134
8.30 8.00	1.50 4.00	9.80 12.00			0.55	0.87 0.82	1.06 1.00	1.30 1.00		18.1 18.1	90135
17.25 20.00	0.70 2.00	17.95 22.00								20.7 24.0	90185

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